Acer Aspire 4252/4552/4552G
Service Guide

Service guide files and updates are available on the ACER/CSD web; for more information, please refer to http://csd.acer.com.tw

PRINTED IN TAIWAN

Downloaded from www.Manualslib.com manuals search engine

Revision History

Please refer to the table below for the updates made on this service guides.

Date	Chapter	Updates

Downloaded from www.Manualslib.com manuals search engine

Copyright

Copyright © 2010 by Acer Incorporated. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of Acer Incorporated.

Disclaimer

The information in this guide is subject to change without notice.

Acer Incorporated makes no representations or warranties, either expressed or implied, with respect to the contents hereof and specifically disclaims any warranties of merchantability or fitness for any particular purpose. Any Acer Incorporated software described in this manual is sold or licensed "as is". Should the programs prove defective following their purchase, the buyer (and not Acer Incorporated, its distributor, or its dealer) assumes the entire cost of all necessary servicing, repair, and any incidental or consequential damages resulting from any defect in the software.

Acer is a registered trademark of Acer Corporation.
Intel is a registered trademark of Intel Corporation.
Other brand and product names are trademarks and/or registered trademarks of their respective holders.

Downloaded from www.Manualslib.com manuals search engine

Conventions

The following conventions are used in this manual:

SCREEN MESSAGES	Denotes actual messages that appear on screen.
NOTE	Gives bits and pieces of additional information related to the current topic.
WARNING	Alerts you to any damage that might result from doing or not doing specific actions.
CAUTION	Gives precautionary measures to avoid possible hardware or software problems.
IMPORTANT	Reminds you to do specific actions relevant to the accomplishment of procedures.

NOTE: This symbol where placed in the Service Guide designates a component that should be recycled according to the local regulations.

Downloaded from www.Manualslib.com manuals search engine

Preface

Before using this information and the product it supports, please read the following general information.

1. This Service Guide provides you with all technical information relating to the BASIC CONFIGURATION decided for Acer's "global" product offering. To better fit local market requirements and enhance product competitiveness, your regional office MAY have decided to extend the functionality of a machine (e.g. add-on card, modem, or extra memory capability). These LOCALIZED FEATURES will NOT be covered in this generic service guide. In such cases, please contact your regional offices or the responsible personnel/channel to provide you with further technical details.
2. Please note WHEN ORDERING FRU PARTS, that you should check the most up-to-date information available on your regional web or channel. If, for whatever reason, a part number change is made, it will not be noted in the printed Service Guide. For ACER-AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code to those given in the FRU list of this printed Service Guide. You MUST use the list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

Table of Contents

System Specifications 1

Features 1
System Block Diagram 6
Your Acer Notebook tour 7
Top View 7
Closed Front View 8
Rear view 9
Left View 9
Right View 10
Base View 10
Indicators 11
Touchpad Basics 12
Using the Keyboard 13
Lock Keys and embedded numeric keypad 13
Windows Keys 14
Hot Keys 15
Hardware Specifications and Configurations 16

System Utilities 31

BIOS Setup Utility 31
Navigating the BIOS Utility 31
Information 32
Main 33
Security 34
Boot 37
Exit 38
BIOS Flash Utility 39
BIOS Flash Utility 40
DOS Flash Utility 40
WinFlash Utility 40
Remove HDD/BIOS Password Utilities 41
Removing BIOS Passwords: 42
Cleaning BIOS Passwords 43
Miscellaneous Utilities 44

Machine Disassembly and Replacement 47

Disassembly Requirements 47
Pre-disassembly Instructions 48
Disassembly Process 49
External Modules Disassembly Process 50
External Modules Disassembly Flowchart 50
Removing the Battery Pack 51
Removing the SD Dummy Card 52
Removing the Keyboard 53
Removing the ODD Module 55
Main Unit Disassembly Process 57
Main Unit Disassembly Flowchart 57
Removing the Lower Cover 58
Component Overview 59
Removing the DIMM Modules 60
Removing the WLAN Module 61
Removing the USB Board 62
Removing the RTC Battery 64

Downloaded from www.Manualslib.com manuals search engine

Removing the Bluetooth Module 65
Removing the HDD Module 66
Removing the LCD Module 68
Removing the Thermal Module 70
Removing the CPU 72
Removing the Mainboard 73
LCD Module Disassembly Process 75
LCD Module Disassembly Flowchart 75
Removing the LCD Bezel 76
Removing the Camera Module 78
Removing the LCD Panel 79
Remove the LCD Hinges 80
Removing the LVDS Cable 81
Removing the WLAN Antennas 82
LCD Module Assembly Process 83
Replacing the WLAN Antennas 83
Replacing the LVDS Cable 84
Replacing the LCD Hinges 85
Removing the LCD Panel 86
Replacing the Camera Module 88
Replacing the LCD Bezel 89
Main Unit Assembly Process 92
Replacing the Mainboard 92
Replacing the CPU 94
Replacing the Thermal Module 95
Replacing the LCD Module 97
Replacing the Bluetooth Module 99
Replacing the HDD Module 100
Removing the RTC Battery 103
Replacing the USB Board 104
Replacing the WLAN Module 105
Replacing the DIMM Modules 107
Replacing the Lower Cover 108
External Module Assembly Process 109
Replacing the ODD Module 109
Replacing the Keyboard 110
Replacing the SD dummy card 112
Replacing the Battery Pack 112

Troubleshooting 113

Common Problems 113
Power On Issue 114
No Display Issue 115
Random Loss of BIOS Settings 116
LCD Failure 117
Built-In Keyboard Failure 117
Touchpad Failure 118
Internal Speaker Failure 118
HDD Not Operating Correctly 120
ODD Failure 121
Wireless Function Failure 124
Thermal Unit Failure 124
External Mouse Failure 125
Other Failures 125
Intermittent Problems 126

Downloaded from www.Manualslib.com manuals search engine

Undetermined Problems 126
Post Codes 127

Jumper and Connector Locations 131

Top View 131
Bottom View 132
Clearing Password Check and BIOS Recovery 133
Clearing Password Check 133
BIOS Recovery by Crisis Disk 134

FRU (Field Replaceable Unit) List 135

Acer Aspire 4252/4552/4552G Exploded Diagrams 136
LCD Assembly 136
Acer Aspire 4252/4552/4552G FRU List 138
Screw List 138

Model Definition and Configuration 140

Aspire 4252 140
Aspire 4552 142
Aspire 4552G 148

Test Compatible Components 157

Online Support Information 161

Index 163

Downloaded from www.Manualslib.com manuals search engine

Table of Contents

Downloaded from www.Manualslib.com manuals search engine

System Specifications

Features

Below is a brief summary of the computer's many features:

NOTE: Items denoted with an (*) are only available for selected models.

Operating system

- Genuine Windows® 7 Home Premium 64-bit
- Genuine Windows® 7 Home Basic 64-bit

CPU and chipset

Aspire 4552 and 4552G

- **AMD Phenom™ II** quad-core mobile processor **N950** (2 MB L2 cache, 2.10 GHz, DDR3 1333 MHz, 35 W)
- **AMD Phenom™ II** triple-core mobile processor **N850** (1.5 MB L2 cache, 2.20 GHz, DDR3 1333 MHz, 35 W)
- **AMD Phenom™ II** dual-core mobile processor **N620/N640** (2 MB L2 cache, 2.80/2.90 GHz, DDR3 1333 MHz, 35 W)
- **AMD Turion™ II** dual-core mobile processor **P540** (2 MB L2 cache, 2.40 GHz, DDR3 1066 MHz, 25 W)
- **AMD Athlon™ II** dual-core processor **P320/P340** (1 MB L2 cache, 2.10/2.20 GHz, DDR3 1066 MHz, 25 W), **N350** (1 MB L2 cache, 2.40 GHz, DDR3 1066 MHz, 35 W)
- AMD M880G Chipset

Aspire 4252

- AMD V Series processor V140 (512 KB L2 cache, 2.30 GHz, DDR3 1066 MHz, 25 W)
- AMD M880G Chipset

System memory

- Dual-channel DDR3 SDRAM support:
  - Up to 4 GB of DDR3 system memory, upgradable to 8 GB using two soDIMM modules

Display

- 14" HD 1366 x 768 pixel resolution, high-brightness (200-nit) Acer CineCrystal™ LED-backlit TFT LCD
- Mercury free, environment friendly
- 16:9 aspect ratio

Downloaded from www.Manualslib.com manuals search engine

Graphics

Aspire 4252 and 2552

- ATI Radeon™ HD 4250 Graphics with 256 MB of dedicated system memory, supporting Unified Video Decoder 2 (UVD2), OpenGL® 2.0, OpenEXR High Dynamic-Range (HDR) technology, Shader Model 4.1, Microsoft® DirectX® 10.1

Aspire 4552G

- ATI Mobility Radeon™ HD 5470 with up to 3579 MB of HyperMemory™ (512 MB of dedicated DDR3 VRAM, up to 3067 MB of shared system memory), supporting Unified Video Decoder (UVD), OpenEXR High Dynamic-Range (HDR) technology, Shader Model 5.0, Microsoft® DirectX® 11, OpenGL® 3.1, OpenCL™ 1.1
- Dual independent display support
- 16.7 million colors
- External resolution / refresh rate:
  - VGA port up to 2048 x 1536: 85 Hz
  - HDMI™ port up to 1920 x 1080: 60 Hz
- MPEG-2/DVD decoding
- VC-1 and H.264 (AVC) decoding
- HDMI™ (High-Definition Multimedia Interface) with HDCP (High-bandwidth Digital Content Protection) support

Audio

- Built-in speaker
- High-definition audio support
- Built-in microphone
- MS-Sound compatible

Storage

- Hard disk drive
  - 160/250/320/500/640/750 GB or larger
- Multi-in-1 card reader, supporting:
  - Secure Digital™ (SD) Card and MultiMediaCard™ (MMC)

Webcam

- Acer Video Conference, featuring:
  - Acer Crystal Eye 1.3 MP webcam, 1280 x 1024 resolution

Downloaded from www.Manualslib.com manuals search engine

Wireless and networking

- WLAN:
  - Acer InviLink™ Nplify™ 802.11b/g/n Wi-Fi CERTIFIED™
  - Acer InviLink™ 802.11b/g Wi-Fi CERTIFIED™802.11b/g/n Wi-Fi CERTIFIED™
  - Supporting Acer SignalUp™ wireless technology
- WPAN:
  - Bluetooth® 3.0+HS
  - Bluetooth® 2.1+EDR
- LAN: Gigabit Ethernet, Wake-on-LAN ready

Privacy control

- BIOS user, supervisor, HDD passwords
- Kensington lock slot

Dimensions and weight

- Dimensions
  - 341 (W) x 264.5 (D) x 26.7/33.5 (H) mm (13.43 x 10.41 x 1.05/1.32 inches)
- Weight
  - 2.5 kg (5.51 lbs.) with 6-cell battery pack

Power adapter and battery

- ACPI 3.0 CPU power management standard: supports Standby and Hibernation power-saving modes

Power adapter

Aspire 4252 and 4552

- 3-pin 65 W AC adapter:·
  - ·108 (W) x 46 (D) x 29.5 (H) mm (4.25 x 1.81 x 1.16 inches)
  - ·225 g (0.49 lbs.) with 180 cm DC cable

Aspire 4552G

- 3-pin 65 W AC adapter:·
  - 133 (W) x 59 (D) x 31 (H) mm (5.23 x 2.32 x 1.22 inches)
  - 390 g (0.86 lbs.) with 180 cm DC cable

Battery

- 48 Wh 4400 mAh 6-cell Li-ion standard battery pack
- Battery life: 3 hours

- ENERGY STAR®

Aspire 4552G Only

- Acer QuicCharge™ technology:
  - 80% charge in 1 hour
  - 2-hour rapid charge system-off

Downloaded from www.Manualslib.com manuals search engine

Input and control

- Keyboard
  - 86-/87-/91-key Acer FineTip keyboard with international language support
- Touchpad
  - Multi-gesture touchpad, supporting two-finger scroll, pinch, rotate, flip
- Media keys
  - Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down

I/O interface

- 2-in-1 card reader (SD™, MMC)
- Three USB 2.0 ports
- HDMI™ port with HDCP support
- External display (VGA) port
- Headphone/speaker/line-out jack
- Microphone-in jack
- Ethernet (RJ-45) port
- DC-in jack for AC adapter

Software

- Productivity
  - Acer Backup Manager
  - Acer ePower Management
  - Acer eRecovery Management
  - Adobe® Flash® Player 10.1
  - Adobe® Reader® 9.1
  - eSobi™
  - Microsoft® Office 2010 preloaded (purchase a product key to activate)
  - Microsoft® Office Starter 2010
  - Norton™ Online Backup
- Security
  - McAfee® Internet Security Suite Trial
  - MyWinLocker®
- Multimedia
  - Cyberlink® PowerDVD™
  - NTI Media Maker™
- Gaming
  - Oberon GameZone
  - WildTangent®
- Communication and ISP

Downloaded from www.Manualslib.com manuals search engine

- Acer Crystal Eye
- Microsoft® Silverlight™
- Skype™
- Windows Live™ Essentials — Wave 3.2 (Mail, Photo Gallery, Live™ Messenger, Movie Maker, Writer)

- Web links and utilities
  - Acer Accessory Store
  - Acer Identity Card
  - Acer Registration
  - Acer Updater
  - eBay® shortcut 2009
  - Netflix shortcut

Optional Items

- 1/2/4 GB DDR3 soDIMM module
- 6-cell Li-ion battery pack
- 3-pin 90 W AC adapter

Warranty

- One-year International Travelers Warranty (ITW)

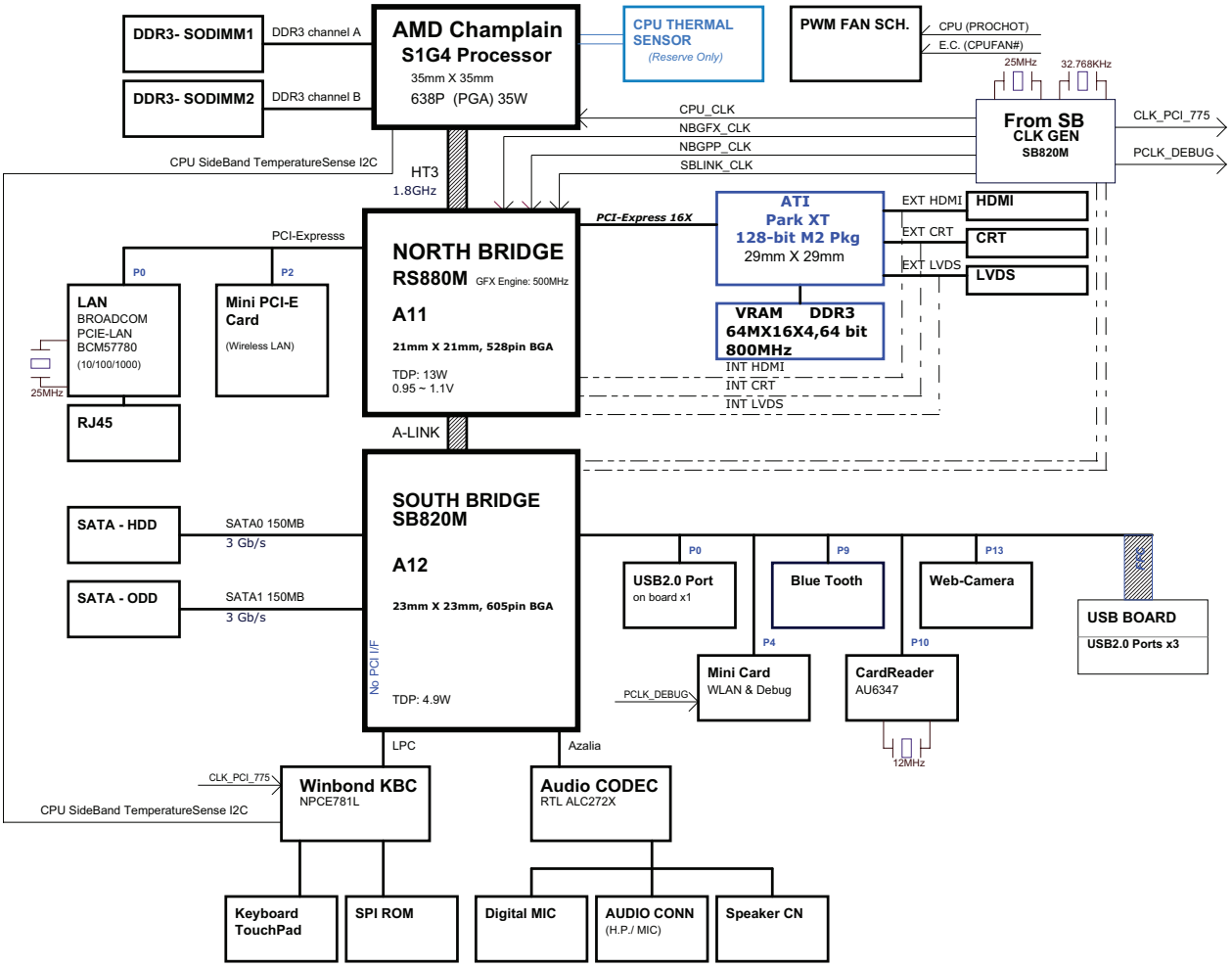
Environment

- Temperature:
  - Operating: 41 °F to 95 °F (5 °C to 35 °C)
  - Non-operating: -4 °F to -149 °F (20 °C to 65 °C)
- Humidity (non-condensing):
  - Operating: 20% to 80%
- Non-operating: 20% to 80%

NOTE: The specifications listed above are for reference only. The exact configuration of the PC depends on the model purchased.

Downloaded from www.Manualslib.com manuals search engine

System Block Diagram



Downloaded from www.Manualslib.com manuals search engine

Your Acer Notebook tour

Top View

#	Icon	Item	Description
1		Acer Crystal Eye webcam	Web camera for video communication. (only for certain models)
2		Display screen	Also called Liquid-Crystal Display (LCD), displays computer output (configuration may vary by model).
3		Power button	Turns the computer on and off.
4		Keyboard	For entering data into your computer
5		Touchpad	Touch-sensitive pointing device which functions like a computer mouse.
6		Click buttons (left, and right)	The left and right buttons function like the left and right mouse buttons.
7		Microphone	Internal microphone for sound recording.

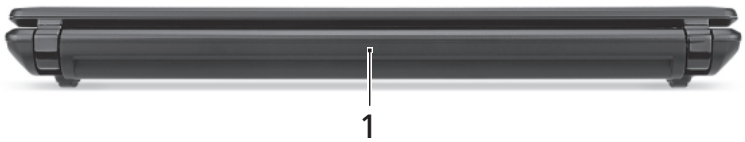
Downloaded from www.Manualslib.com manuals search engine

#	Icon	Item	Description
8		Power indicator	Indicates the computer's power status.
		Battery indicator	Indicates the computer's battery status. 1. Charging: The light shows amber when the battery is charging. 2. Fully charged: The light shows blue when in AC mode.
		HDD indicator	Indicates when the hard disk drive is active.
		Communication indicator	Indicates the computer's wireless connectivity device status.
9		Palmrest	Comfortable support area for your hands when you use the computer.
10		Speaker	Delivers audio output.

Closed Front View

No.	Icon	Item	Description
1		Microphone jack	Accepts inputs from external microphones.
		Headphone/ speaker/line-out jack	Connects to audio line-out devices (e.g., speakers, headphones).
2		2-in-1 card reader	Accepts Secure Digital (SD), MultiMediaCard (MMC). Note: Push to remove/install the card. Only one card can operate at any given time.

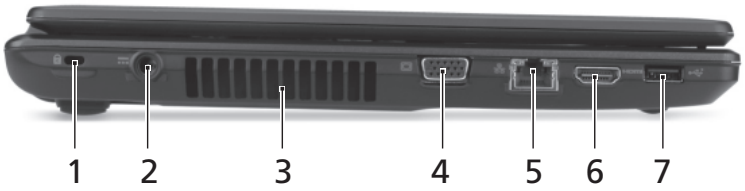
Rear view

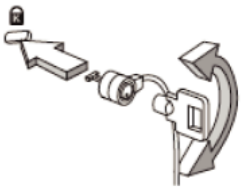


No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.

Downloaded from www.Manualslib.com manuals search engine

Left View



No.	Icon	Item	Description
1		Kensington lock slot 	Connects to a Kensington-compatible computer security lock. Note: Wrap the computer security lock cable around an immovable object such as a table or handle of a locked drawer. Insert the lock into the notch and turn the key to secure the lock. Some keyless models are also available.
2		DC-in jack	Connects to an AC adapter.
3		Ventilation slots	Enable the computer to stay cool, even after prolonged use.
4		External display (VGA) port	Connects to a display device (e.g., external monitor, LCD projector).
5		Ethernet (RJ-45) port	Connects to an Ethernet 10/100/1000-based network.
6	HDMI	HDMI port	Supports high-definition digital video connections.
7		USB 2.0 port	Connects to USB 2.0 devices (e.g., USB mouse, USB camera).

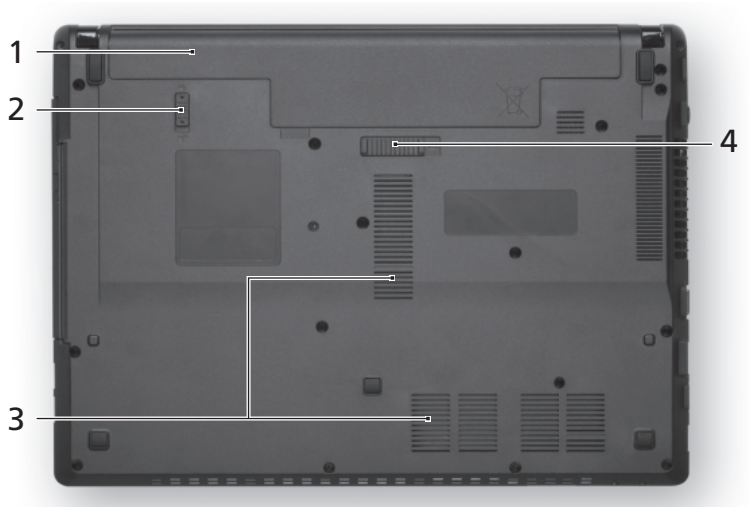
Right View

No.	Icon	Item	Description
1		USB 2.0 ports	Connect to USB 2.0 devices (e.g., USB mouse, USB camera).
2		Optical drivez	Internal optical drive; accepts CDs or DVDs.
3		Optical disk access indicator	Lights up when the optical drive is active.
4		Optical drive eject button	Ejects the optical disk from the drive .

Downloaded from www.Manualslib.com manuals search engine

No.	Icon	Item	Description
5		Emergency eject hole	Ejects the optical drive tray when the computer is turned off. Note: Insert a paper clip to the emergency eject hole to eject the optical drive tray when the computer is off.

Base View



No.	Icon	Item	Description
1		Battery bay	Houses the computer's battery pack.
2		Battery lock	Locks the battery in position.
3		Ventilation slots	Enable the computer to stay cool, even after prolonged use.
4		Battery release latch	Releases the battery for removal.

Downloaded from www.Manualslib.com manuals search engine

Indicators

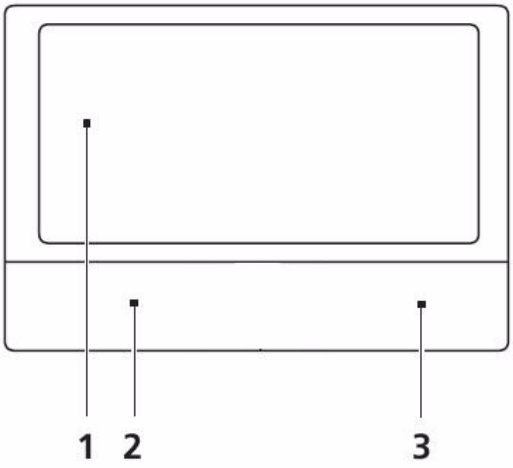
The computer has several easy-to-read status indicators.

Icon	Function	Description
	Power	Indicates the computer's power status.
	Battery	Indicates the computer's battery status. **NOTE:** 1. **Charging:** The light shows amber when the battery is charging. 2. **Fully charged:** The light shows green when in AC mode.
	HDD	Indicates when the hard disk drive is active.
	Communication indicator	Indicates the computer’s wireless connectivity device status.

Downloaded from www.Manualslib.com manuals search engine

Touchpad Basics

The following items show you how to use the Touchpad:



- Move your finger across the Touchpad (1) to move the cursor.
- Press the left (2) and right (3) buttons located beneath the Touchpad to perform selection and execution functions. These two buttons are similar to the left and right buttons on a mouse. Tapping on the Touchpad is the same as clicking the left button.

Function	Left Button (2)	Right Button (3)	Main Touchpad (1)
Execute	Quickly click twice.		Tap twice (at the same speed as double-clicking a mouse button).
Select	Click once.		Tap once.
Drag	Click and hold, then use finger on the Touchpad to drag the cursor.		Tap twice (at the same speed as double-clicking a mouse button); rest your finger on the Touchpad on the second tap and drag the cursor.
Access context menu		Click once.	

NOTE: When using the Touchpad, keep it - and your fingers - dry and clean. The Touchpad is sensitive to finger movement; hence, the lighter the touch, the better the response. Tapping too hard will not increase the Touchpad's responsiveness.

Downloaded from www.Manualslib.com manuals search engine

Using the Keyboard

The keyboard has full-sized keys and an embedded numeric keypad, separate cursor, lock, Windows, function and special keys.

Lock Keys and embedded numeric keypad

The keyboard has two lock keys which you can toggle on and off.

Lock key	Description
Caps Lock	When Caps Lock is on, all alphabetic characters typed are in uppercase.
Num Lock <Fn> + <F11>	When Num Lock is on, the embedded keypad is in numeric mode.
Scroll Lock <Fn> + <F12>	When Scroll Lock is on, the screen moves one line up or down when you press the up or down arrow keys respectively. Scroll Lock does not work with some applications.

Downloaded from www.Manualslib.com manuals search engine

Windows Keys

The keyboard has two keys that perform Windows-specific functions.

Key	Description
Windows key	Pressed alone, this key has the same effect as clicking on the Windows Start button; it launches the Start menu. It can also be used with other keys to provide a variety of functions: <**>**:** Open or close the Start menu <**> + <D>:** Display the desktop <**> + <E>:** Open Windows Explore <**> + <F>:** Search for a file or folder <**> + <G>:** Cycle through Sidebar gadgets <**> + <L>:** Lock your computer (if you are connected to a network domain), or switch users (if you're not connected to a network domain) <**> + <M>:** Minimizes all windows <**> + <R>:** Open the Run dialog box <**> + <T>:** Cycle through programs on the taskbar <**> + <U>:** Open Ease of Access Center <**> + <X>:** Open Windows Mobility Center <**> + <BREAK>:** Display the System Properties dialog box <**> + <SHIFT+M>:** Restore minimized windows to the desktop <**> + <TAB>:** Cycle through programs on the taskbar <**> + <SPACEBAR>:** Bring all gadgets to the front and select Windows Sidebar <**CTRL> + <> + <F>:** Search for computers (if you are on a network) <**CTRL> + <> + <TAB>:** Use the arrow keys to cycle through programs on the taskbar **Note:** Depending on your edition of Windows, some shortcuts may not function as described.

Downloaded from www.Manualslib.com manuals search engine

Hot Keys

The computer employs hotkeys or key combinations to access most of the computer's controls like screen brightness, volume output and the BIOS utility.

To activate hot keys, press and hold the **<Fn>** key before pressing the other key in the hotkey combination.

Hotkey	Icon	Function	Description
<Fn> + <F3>		Communication key	Enables / disables the computer's communication devices. (Communication devices may vary by configuration.)
<Fn> + <F4>		Sleep	Puts the computer in Sleep mode.
<Fn> + <F5>		Display toggle	Switches display output between the display screen, external monitor (if connected) and both.
<Fn> + <F6>		Display Off	Turns the display screen backlight off to save power. Press any key to return.
<Fn> + <F7>		Touchpad toggle	Turns the internal Touchpad on and off.
<Fn> + <F8>		Speaker toggle	Turns the speakers on and off.
<Fn> + <▷>		Brightness up	Increases the screen brightness.
<Fn> + <◁>		Brightness down	Decreases the screen brightness.
<Fn> + <△>		Volume up	Increases the sound volume.
<Fn> + <▽>		Volume down	Decreases the sound volume.
<Fn> + <Home>		Play/Pause	Play or pause a selected media file.
<Fn> +<Pg Up>		Stop	Stop playing the selected media file.
<Fn> +<Pg Dn>		Previous	Return to the previous media file.
<Fn> + <End>		Next	Jump to the next media file.

Downloaded from www.Manualslib.com manuals search engine

Hardware Specifications and Configurations

Processor

Item	Specification
CPU	AMD Family 10h Champlain Processor S1g4 Package
Type	35W CPU
CPU Package	528-FCBGA package, 21mmx21mm - S1g3
Power	1.1V
On-die Cache	1MB L2 cache
Front Side Bus	667/800/1066 MHz

Processor Specifications (Aspire 4552/5442G)

Item	CPU Speed (Ghz)	Cores	Bus Speed	Mfg Tech	Cache Size	Package	Core Voltage	Acer P/N
AAP320	2.1	2	3600 MHz	45 nm	1M	638-pin micro-PGA	25W	KC.AP002.320
APN830	2.1	3	3600 MHz	45 nm	1.5M	638-pin micro-PGA	35W	KC.PN002.830
APN930	2.0	4	3600 MHz	45 nm	2M	638-pin micro-PGA	35W	KC.PN002.930
AAN350	2.4	2	3200 MHz	45 nm	1M	638-pin micro-PGA	35W	KC.AN002.350
AAP340	2.2	2	3200 MHz	45 nm	1M	638-pin micro-PGA	25W	KC.AP002.340
APN850	2.2	3	3600 MHz	45 nm	1.5M	638-pin micro-PGA	35W	KC.PN002.850
APN950	2.1	4	3600 MHz	45 nm	2M	638-pin micro-PGA	35W	KC.PN002.950
APP840	1.9	3	3600 MHz	45 nm	1.5M	638-pin micro-PGA	25W	KC.PP002.840
APP940	1.7	4	3600 MHz	45 nm	2M	638-pin micro-PGA	25W	KC.PP002.940
ATP540	2.4	2	3600 MHz	45 nm	2M	638-pin micro-PGA	25W	KC.TP002.540

Processor Specifications (Aspire 4252)

Item	CPU Speed (Ghz)	Cores	Bus Speed	Mfg Tech	Cache Size	Package	Core Voltage	Acer P/N
AMD V140	2.3	1	3200 MHz	45 nm	512K	638-pin micro-PGA	25W	KC.V0002.140

Downloaded from www.Manualslib.com manuals search engine

North Bridge Chipset

Item	Specification
Chipset	RS880M
Package	• Single chip solution in 55nm, 1.1V low power CMOS technology. • 528-FCBGA package, 21mmx21mm.
Features	• CPU HyperTransport™ Interface • Caspian-series processors. • ATI HyperMemory • PCI ExpressR Interface • A-Link Express II Interface • Northbridge-Southbridge messaging functionalities • 2D Acceleration • 3D Acceleration • Motion Video Acceleration • Multiple Display • System Clocks • PC Design Guide Compliance

Southbridge Chipset

Item	Feature
Chipset	SB820M
Package	SB820M 23 mm x 23 mm x 0.8 mm Pitch 605-FCBGA
Features	• Processor Interface • A-Link Express II interface to Northbridges • PCI ExpressR Controller • PCI Host Bus Controller • USB Controllers • Supports port disable with individual control • SMBus Controller • Interrupt Controller • DMA Controller • LPC host bus Controller • SATA Controller • IDE emulation mode • AMD RAID Support • AHCI Support • High Definition Audio • Supports up to 4 codecs • Gigabit Ethernet Media Access • Controller (GbE MAC) • Timers • Real Time Clock (RTC) • Power Management • Consumer IR • Hardware Monitoring • Integrated Clock Function

Downloaded from www.Manualslib.com manuals search engine

CPU Fan True Value Table (CPU)

Fan On (Celsius)	Fan Off (Celsius)	RPM
45	42	2350
50	48	2800
58	56	3100
63	61	3500
82	80	3850
92	85	max (5V)

Throttling 50%: On= 95°C; OFF=90°C

OS shut down at 105°C; H/W shut down at 105°C

CPU Fan True Value Table (GPU)

Fan On (Celsius)	Fan Off (Celsius)	RPM
45	42	2350
50	48	2800
58	56	3100
63	61	3500
82	80	3850
92	85	max (5V)

Throttling 50%: On= 85°C; OFF=80°C

OS shut down at 90°C; H/W shut down at 90°C

System Memory

Item	Specification
Memory controller	RS880M
Memory size	0MB (no on-board memory)
DIMM socket number	2 sockets
Supports memory size per socket	8 GB
Supports maximum memory size	8GB maximum per one DIMM
Supports DIMM type	JEDEC 204-pin DDR3-800/1066 SODIMM for PC3-10600/ PC3-8500/ PC3-6400
Supports DIMM speed	1.87ns @ CL = 7 (DDR3-1066) 1.87ns @ CL = 8 (DDR3-1066) 2.5ns @ CL = 5 (DDR3-800) 2.5ns @ CL = 6 (DDR3-800)
Supports DIMM voltage	1.5V +/- 0.075V
Supports DIMM package	204-pin SODIMM, 67.75”x 30.15”x 3.8”(Max)
Memory module combinations	You can install memory modules in any combinations as long as they match the above specifications.

Downloaded from www.Manualslib.com manuals search engine

System Board Major Chips

Item	Specification
Northbridge	RS880M
Southbridge	SB820M
VGA	AMD Park XT
LAN	BCM57780
USB 2.0	SB820M
Super I/O controller	SB820M
Bluetooth	SB820M
Wireless	SB820M
PCMCIA	N/A
Audio codec	ALC271
Card reader	AU6437

BIOS

Item	Specification
BIOS vendor	Phoenix
BIOS Version	v4.0
BIOS ROM type	W25X16A
BIOS ROM size	4MB
Features	• Flash ROM 4MB • Support ISIPP • Support Acer UI • Support multi-boot • Suspend to RAM (S3)/Disk (S4) • Various hot-keys for system control • Support SMBIOS 2.3, PCI2.2. • Refer to Acer BIOS specification. • DMI utility for BIOS serial number configurable/asset tag • Support PXE • Support Y2K solution • Support WinFlash • Wake on LAN from S3 • Wake on LAN form S4 in AC mode • System information

Downloaded from www.Manualslib.com manuals search engine

Memory Combinations

Slot 1	Slot 2	Total Memory
0MB	1024MB	1024MB
0MB	2048MB	2048MB
0MB	4096MB	4096MB
1024MB	0MB	1024MB
1024MB	512MB	1536MB
1024MB	1024MB	2048MB
1024MB	2048MB	3072MB
2048MB	0MB	2048MB
2048MB	512MB	2560MB
2048MB	1024MB	3072MB
2048MB	2048MB	4096MB
2048MB	4096MB	6144MB
4096MB	4096MB	8192MB

Wireless Module 802.11b/g/Draft-N

Item	Specification			
Manufacturer	Foxconn			Liteon
Model	43225	HB95	HB97	HB97
Supported Standards	IEEE 802.11b/g/n	IEEE 802.11b/g	IEEE 802.11b/11g	IEEE 802.11b/g/n

LAN Interface

Item	Specification
Part Name	BCM57780
Package	64pin QFN
Features	Supports 10/100/1000 Mb/s
Interface	PCI-Express

3G Module (Not available with this model)

Item	Specification
Manufacturer	
Model	
Card Type	
Throughput	
Supported Services	

Speaker

Item	Specification
Vendor	Vansonic Enterprise Co., Ltd.
Module No.	PB2814KN04-9LB
Power Rating	Normal 1 W, Maximum 1.5 W
Output Sound Pressure Level	82 ± 3 db
Response F0	
Distortion	5% MAX

Downloaded from www.Manualslib.com manuals search engine

Bluetooth Interface

Item	Specification
Chipset	• Foxconn Bluetooth BCM2046 • Foxconn Bluetooth BCM2070 • Foxconn Bluetooth AR3011
Radio Technology	FHSS
Operating Frequency	2402 ~ 2480MHz ISM band
Channel Numbers	79 channels with 1MHz BW
Transmitter Output Power	-6~4dBm output power for class2 operation
Receiver Sensitivity	-75dBm @ 0.1% BER (Max)
Maximum Receiver Signal	-10dBm
Operating Voltage	3.3V+/-0.3V
Interface	USB 2.0
Protocol	BCM2046: BT2.1+EDR BCM2070: BT2.1+EDR; supports BT3.0+HS after driver upgrade AR3011: BT2.1+EDR; supports BT3.0+HS after driver upgrade
Connector type	BCM2046: 8 pin USB2.0 with JST SM08B-SURS-TF BCM2070: 6 pin JST SM06B-XSRK-ETB (HF) AR3011: SM08B-SURS-TF(LF)(SN) JST

Hard Disk Drive Interface

Item	Specification							
Capacity (GB)	160			250				
Vendor & Model Name	Seagate ST9160314AS, HGST HTS545016B9A300, Toshiba MK1665GSX, WD WD1600BEVT-22A23T0			Seagate ST9250315AS, HGST HTS545025B9A300, Toshiba MK2565GSX, WD WD2500BEVT				
Bytes per sector	512							
Data heads	2		1	2			3	2
Drive Format								
Disks	1		1	1			2	1
Spindle speed (RPM)	5400							
Performance Specifications								
Buffer size	8 MB							
Interface	SATA							
Max. Media Transfer Rate (Mbytes/sec max.)	300	300		300	300	300	384	300
Max. Data Transfer Rate (Mbytes/sec)	1175, 875, TBD, 108544				1175, 875, 1031, 108544			
DC Power Requirements								
Voltage tolerance	5V ±5%							

Downloaded from www.Manualslib.com manuals search engine

Hard Disk Drive Interface (continued)

Item	Specification							
Capacity (GB)	320				500			
Vendor & Model Name	Seagate ST9320310AS HGST HTS545032B9A300 Toshiba MK3265GSX WD WD3200BPVT-22ZEST0				Seagate ST9500325AS HGST HTS545050B9A300 Toshiba MK5065GSX WD WD5000BEVT-22A0RT0			
Bytes per sector	512							
Data heads	3		2	2	4			2
Drive Format								
Disks	2	2	1		1	2	2	1
Spindle speed (RPM)	5400							
Performance Specifications								
Buffer size	8 MB							
Interface	SATA							
Max. Media Transfer Rate (Mbytes/sec max.)	300	300	384	300	300	300	384	300
Max. Data Transfer Rate (Mbytes/sec)	1175, 112000, 1273, 108544				1175, 112000, 1031, 108544			
DC Power Requirements								
Voltage tolerance	5V ±5%							

Hard Disk Drive Interface (continued)

Item	Specification	
Capacity (GB)	640	750
Vendor & Model Name	Toshiba MK6465GSX Western Digital WD6400BEVT-22A0RT0	Western Digital WD7500BPVT-22HXZT1
Bytes per sector	512	
Data heads	4	
Drive Format		
Disks	2	
Spindle speed (RPM)	5400	
Performance Specifications		
Buffer size	8 MB	
Interface	SATA	
Max. Media Transfer Rate (Mbytes/sec max.)	300	
Max. Data Transfer Rate (buffer to/from media) (Mbytes/sec)	1273, 108544	TBD, 108544
DC Power Requirements		
Voltage tolerance	5V ±5%	

Downloaded from www.Manualslib.com manuals search engine

USB Port

Item	Specification
Chipset	SB820M
USB compliance level	USB 2.0
OHCI/EHCI	4 OHCI and 3 EHCI support 14 USB 2.0 ports and 2 dedicated USB 1.1 ports
Number of USB port(s)	3
Location	2 on the right, 1 on the left
Serial port function control	SB820M

Audio Subsystem

Item	Specification
Audio Controller	Realtek ALC272X-GR
Audio on board or optional	on board
Mono or Stereo	Mono
Resolution	Primary 16/20/24-bit Secondary 16/20/24-bit
Audio Port	
Compatibility	• Analog jacks (port-A, B, C, E and G) support stereo input and output re-tasking • Support MONO output at port -H • Port-A/D/E/F built in headphone amplifiers • Supports external PCBEEP input and built -in digital BEEP generator • Meets Microsoft WLP (Windows Logo Program) audio requirements
Sampling rate	All DACs support independent 44.1k/48k/96k/192kHz sample rate
External	Mic jack Headphone/speaker/line-out jack
Internal speaker/ quantity	Yes/1 (1W speakers)

Video Interface

Item	Specification
Chipset	RS880M AMD Park-XT
Package	962-pins BGA 29mm x 29mm
Interface	LVDS
Compatibility	16:9 HD, 1366(H) x768(V) screen and 262k colors
Sampling rate	60 Hz

VRAM (Discreet models only)

Item	Specification
Chipset	AMD Park XT (BGA-962pin)
Memory size	GDDR3 / 512MB / 500MHz/ 64bits (64MBx16bit)
Interface	PCI Express

Downloaded from www.Manualslib.com manuals search engine

HDMI Port

Item	Specification
Compliance level	1.3 compliant
Thoroughput	Up to 2.5Gbps per lane (250MHz pixel clock)
Number of HDMI port(s)	1
Location	Left side

PCMCIA Port (Not available in this model)

Item	Specification
PCMCIA controller	
Supports card type	
Number of slots	
Access location	
Supports ZV (Zoomed Video) port	
Supports 32-bit CardBus	

IO Ports

Item	Specification
IO Support	RJ45 port DC-in Jack, VGA port, HDMI USB 2.0x3 Headphone/MIC jack 2-in-1 card reader (SD, MMC)

Keyboard Controller

Item	Specification
Controller	Winbond NPCE781
Total number of keypads	86 key for US/CA, 87 key for FR/SP/GM, 89 key for JP 19mm
Hotkeys	12 function keys, four cursor keys, two window keys, hotkey control, international language supported See “Hot Keys” on page 15.

I/O Ports

Item	Specification
I/O support	• Multi-in-1 card reader (SD™, MMC, MS, MS PRO, xD) • Three USB 2.0 ports • External display (VGA) port • Headphone/speaker/line-out jack • Microphone-in jack • Ethernet (RJ-45) port • Modem (RJ-11) port • DC-in jack for AC adapter • Port replicator connector

Downloaded from www.Manualslib.com manuals search engine

Super-Multi Drive Module

Item	Specification			
Vendor & model name	HLDS GT32N		Panasonic UJ8A0PSNAA-A	
Performance Specification	With CD Diskette	With DVD Diskette	With CD Diskette	With DVD Diskette
Transfer rate (MB/ sec)	Sustained: 3.6 MB/s (24x) max.	Sustained: 11.08 MB/s (8x) max.	max. 24x CAV (max. 3.6 MB/s)	max. 8X CAV (max. 10.8 MB/s)
Buffer Memory	1 MB			
Interface	SATA			
Applicable disc formats	4.7GB (Single Layer) 8.5GB (Dual Layer) DVD-R: 3.95GB (Ver. 1.0: read only) 4.7GB (Ver. 2.0 for Authoring: read only) 4.7GB (Ver. 2.1 for General: read & write) (DL)8.5GB (Ver. 3.0) DVD-RW:4.7GB (Ver. 1.2/ Rev 1.0, 2.0, 3.0) DVD-RAM:4.7GB/side (Ver. 2.2) DVD+R: 4.7GB (Ver. 1.3)(DL) 8.5GB (Ver. 1.1) DVD+RW: 4.7GB (Vol.1 Ver.1.3) CD-ROM Mode-1 data disc CD-ROM Mode-2 data disc CD-ROM XA, CD-I, Photo-CD Multi-Session, Video CD CD-Audio Disc Mixed mode CD-ROM disc (data and audio) CD-Extra CD-Text CD-R (Conforming to “Orange Book Part 2”: read & write) CD-RW (Conforming to “Orange Book Part 3”: read & write)		DVD-VIDEO, DVD-ROM, DVD-R(4.7GB), DVD-R DL DVD-RW(Ver.1.1/1.2) DVD+R, DVD+R DL, DVD+RW DVD-RAM(4.7GB) CD-DA,CD-ROM,CD-ROM XA PhotoCD(muiltiSession) Video CD,Cd-Extra(CD+),CD-text	
Loading mechanism	Drawer type manual load Electrical release Emergency Release (draw open hole)			
Power Requirement				
Input Voltage	DC 5 V +/- 5%			

Downloaded from www.Manualslib.com manuals search engine

Super-Multi Drive Module (continued)

Item	Specification			
Vendor & model name	PLDS DS8A4SH		Sony AD7585H	
Performance Specification	With CD Diskette	With DVD Diskette	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: - CD-ROM inside 1.45 MB/s (min) - CD-ROM outside 3.5 MB/s (min)	Sustained: - DVD-ROM inside 3.7 MB/s (min) - DVD-ROM outside 10 MB/s (min)	Sustained: - CD-ROM inside 1.57 MB/s (typical) - CD-ROM outside 3.65 MB/s (typical)	Sustained: - DVD-ROM inside 4.57 MB/s (typical) - DVD-ROM outside 10.99 MB/s (typical)
Buffer Memory	2 MB		2 MB	
Interface	SATA		SATA	
Applicable disc formats	DVD-ROM, DVD-Video, DVD-Audio, DVD-RW DVD+RW DVD-R single/multi border(s) DVD+R single/multi session(s) DVD-R9 single/multi border(s) DVD+R9 single/multi session(s) DVD-RAM CD-DA, CD-TEXT, CD ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Form-2, CD-I Ready, Video-CD (MPEG-1), Photo-CD, Enhance CD, CD extra, UDF (fixed/variable Packet mode)		DVD-ROM (DVD-5, DVD-9, DVD-10, DVD-18), DVD-Video, DVD-Audio, SACD (Hybrid), UDF DVD, DVD-R, DVD-R DL, DVD-R 3.95 GB, DVD-R Authoring, DVD-R Multi-Border, DVD-R Download (DVD-R CSS, Qflix), DVD-RW, DVD-RW DL, DVD+R, DVD+R, DVD Data & Video CD-DA, CD-ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Mode-2 Form-2, CD-i, CD-i Bridge, Video-CD (MPEG-1), Karaoke CD, Photo-CD, Enhanced CD, CD Plus, CD Extra, itrax CD, CD-Text, UDF CD, CD-R, and CD-RW, CD-DA, CD-ROM Mode-1, CD-ROM/XA Mode-2 Form-1 and Mode-2 Form-2, CD-i, Video-CD, CD-Text	
Loading mechanism	Manual load/ Plunger system			
Power Requirement				
Input Voltage	DC 5 V +/- 5%			

Downloaded from www.Manualslib.com manuals search engine

Super-Multi Drive Module (continued)

Item	Specification	
Vendor & model name	Toshiba TSL633F	
Performance Specification	With CD Diskette	With DVD Diskette
Transfer rate (MB/sec)	Sustained: - CD-ROM/R Read (Mode1) Max 3.6 MB/sec - CD-RW Read (Mode1) Max 3.6 MB/sec	Sustained: - DVD-Single Read Max 10.8 MB/sec - DVD-ROM Dual Read Max 10.8 MB/sec - DVD±R Dual Read Max 8.1 MB/sec - DVD-RAM Read Max 6.75 MB/sec
Buffer Memory	2 MB	
Interface	SATA	
Applicable disc formats	DVD-ROM (Book 1.02), DVD-Dual DVD-Video (Book 1.1) DVD-R (Book 1.0, 3.9G) DVD-R (Book 2.0, 4.7G) - General & Authoring DVD+R (Version 1.0) DVD+RW DVD-RW (Non CPRM & CPRM) DVD±R Dual DVD-RAM CD-DA (Red Book) - Standard Audio CD & CD-TEXT CD-ROM (Yellow Book Mode1 & 2) - Standard Data CD-ROM XA (Mode2 Form1 & 2) - Photo CD, Multi-Session CD-I (Green Book, Mode2 Form1 & 2, Ready, Bridge) CD-Extra/ CD-Plus (Blue Book) - Audio & Text/Video Video-CD (White Book) - MPEG1 Video CD-R (Orange Book Part áU) CD-RW & HSRW (Orange Book PartáV Volume1 & Volume2) Super Audio CD (SACD) Hybrid type US & US+ CD-RW	
Loading mechanism	Drawer (Solenoid Open) Tact SW (Open) Emergency Release (draw open hole)	
Power Requirement		
Input Voltage	DC 5 V +/- 5%	

RTC Battery

Item	Specification
Part name	Panasonic CR-2032L/DBE
Pack capacity	225mAh
Normal voltage	3V

Downloaded from www.Manualslib.com manuals search engine

Main Battery

Item	Specification						
	6 Cell						
Vendor	Simplo	Simplo	Simplo	Panasonic	Sanyo	Samsung	Sony
Part name	AS10D71	AS10D73	AS10D75	AS10D51	As10D31	AS10D51	AS10D41
Battery Type	Li-ion						
Pack capacity	4400 mAh						
Normal voltage	11.1V	11.1V	11.1V	10.8V	10.8V	11.1V	10.8V
Charge voltage	12.6V						
Fast charge current	3520 mA						

LCD Inverter (Not available in this model)

Item	Specification
Vendor & model name	
Brightness conditions	
Input voltage (v)	
Input current (mA)	
Output voltage (V, RMS)	
Output current (mA, RMS)	
Output voltage frequency (KHz)	

External Display Supported Resolution

Resolution	24 bits	30 bits	36 bits	48 bits
640X480p/60Hz 4:3	Yes	NA	NA	NA
720X480p/60Hz 4:3	NA	NA	NA	NA
640X480p/60Hz 16:9	NA	NA	NA	NA
1280X720p/60Hz 16:9	Yes	NA	NA	NA
1920X1080p/60Hz 16:9	Yes	NA	NA	NA
1440X480p/60Hz 4:3	NA	NA	NA	NA
1440X480p/60Hz 16:9	NA	NA	NA	NA
1920X1080p/50Hz 16:9	Yes	NA	NA	NA
720X576p/50Hz 4:3	Yes	NA	NA	NA
720X576p/50Hz 16:9	NA	NA	NA	NA
1280X720p/50Hz 16:9	Yes	NA	NA	NA
1920X1080i/50Hz 16:9	Yes	NA	NA	NA
1440X576i/50Hz 4:3	NA	NA	NA	NA
1440X576i/50Hz 16:9	NA	NA	NA	NA
1920X1080p/50Hz 16:9	Yes	NA	NA	NA

Downloaded from www.Manualslib.com manuals search engine

LCD

Item	Specification			
Vendor/model name	AUO B140XW01 V8	Chimei BT140GW01	LG LP140WH1	Samsung LTN140AT01-G03
Screen Diagonal (mm)	14” diagonal mm			
Display Area (mm)	309.4 x 173.95 mm			
Display resolution (pixels)	1366 x 768			
Pixel Pitch	0.2265 x 0.2265 mm			
Display Mode	Normally white			
Typical White Luminance (cd/m^2) (also called Brightness)	200 typ. 170 min.	220 typ. 200 min.	220	220 typ. 190 min.
Contrast Ratio (typical)	500	600	500	500
Response Time (Optical Rise Time/Fall Time) msec	8 typ. / 16 max.	8 typ. / 15 max.		8 typ. / 12 max.
Weight	350 max.			
Physical Size (mm)	324 (H) x 192.5 (V) x 5.2 (D) mm			
Electrical Interface	1 channel LVDS			
Support Color	16.7 million colors			
Viewing Angle (up/down/ right/left)	40 Degrees (L+R), 15 Degrees (H), 35 Degrees (L)	40 Degrees (L+R), 15 Degrees (H), 30 Degrees (L)	40 Degrees (L+R), 10 Degrees (H), 30 Degrees (L)	45 Degrees (L+R), 15 Degrees (H), 35 Degrees (L)
Temperature Range (°C) Operating Storage (shipping)	 0 Min - 50 Max -20 Min - 60 Max			

Camera

Item	Specification		
Vendor and model	Chicony CNF9157	Liteon 09P2SF119	Suyin F1315-S32B-OV01
Type	CMOS image sensor with SXGA		
Interface	USB 2.0		
Focusing range	31.4cm ~ infinity	32cm ~ infinity	70 mm
Dimensions (L x W x H mm)	65.0±0.3 X 8.0±0.1 X 3.69+0.11/-0.2 mm	65.0 x 8.0 x 3.53 ±0.2mm	65 x 8.0 x 3.74 mm
Sensor type	SXGA CMOS sensor	CMOS Image Sensor	
Pixel resolution	1280x1024, 1280x800, 640x480, 352x288, 320x240, 176x144, 160x120	1280x1024, 1024x768, 640x480, 350x288, 320x240, 176x144, 160x120	1280x1024, 1024x768, 800x600, 640x480, 352x288, 320x240, 176x144, 160x120
Pixel size	2 um x 2 um		
Image size	1.3 MP		

Downloaded from www.Manualslib.com manuals search engine

Card Reader

Item	Specification
Chipset	AU6437-GBL
Features	Secure Digital™ (SD) Card, MultiMediaCard (MMC), Memory Stick™ (MS), Memory Stick PRO™ (MS PRO), xD-Picture Card™ (xD)

System LED Indicator

Item	Specification
Drive Activity	Power Led: Blue Suspend: Amber
Primary Battery charging state	Amber: Battery Charging

AC Adapter

Item	Specification
Input rating	100~240Vac, 50Hz~60Hz
Maximum input AC current	264 Vac, 63Hz
Inrush current	264 Vac; (Cold Start) No damage
Efficiency	Meets EPA 2.0 level V requirements

Trusted Platform Module (TPM) (Not available with this model)

Item	Specification
Version	
Hardware controller	

System Power Management

Item	Initial	On	Standby	Suspend	Hibernate	Soft Off
Initial		1				
On(S0)			2	3	4	5
Standby(S1)		6				
Suspend(S3)		7				
Hibernate(S4)		8				
Soft Off(S5)		9				

Mechanical off is a condition where all power except the RTC battery has been removed from the system.

1. Initial to On state: When the AC adapter or Battery pack has been plugged into the system, the I WPC781 will be reset and initial all output pins then the system goes into Initial state and waiting for power on event. If the power button is pressed then the system will go into the ON state.

2. ON to Standby state: The system will go into the Standby state when SB820M receives the POS command.

3. ON to Suspend state: The system will go into Suspend state when SB820M receives the S2R command.

4. ON to Hibernate state: The system will go into Hibernate state when SB820M receives the S2D command.

5. ON to Soft Off state: The system will go into Soft Off state when SB820M receives the Soft off command.

6. Standby to ON state: The system will go into ON state when the system receives any wake up events, for example, keyboard, mouse.

7. Suspend to ON state: The system will go into ON state when the power button is pressed.

8. Hibernate to ON state: The system will go into ON state when the power button is pressed.

9. Soft Off to ON state: The system will go into ON state when the power button is pressed.

Downloaded from www.Manualslib.com manuals search engine

System Utilities

BIOS Setup Utility

The BIOS Setup Utility is a hardware configuration program built into your computer's BIOS (Basic Input/ Output System).

Your computer is already properly configured and optimized, and you do not need to run this utility. However, if you encounter configuration problems, you may need to run Setup. Please also refer to Chapter 4 Troubleshooting when problem arises.

To activate the BIOS Utility, press **F2** during POST (when **Press <F2> to enter Setup** message is prompted on the bottom of screen).

Press **F2** to enter setup. The default parameter of F12 Boot Menu is set to "disabled". If you want to change boot device without entering BIOS Setup Utility, please set the parameter to "enabled".

Press **<F12>** during POST to enter multi-boot menu. In this menu, user can change boot device without entering BIOS SETUP Utility.

Navigating the BIOS Utility

There are five menu options: Information, Main, Security, Boot, and Exit.

Follow these instructions:

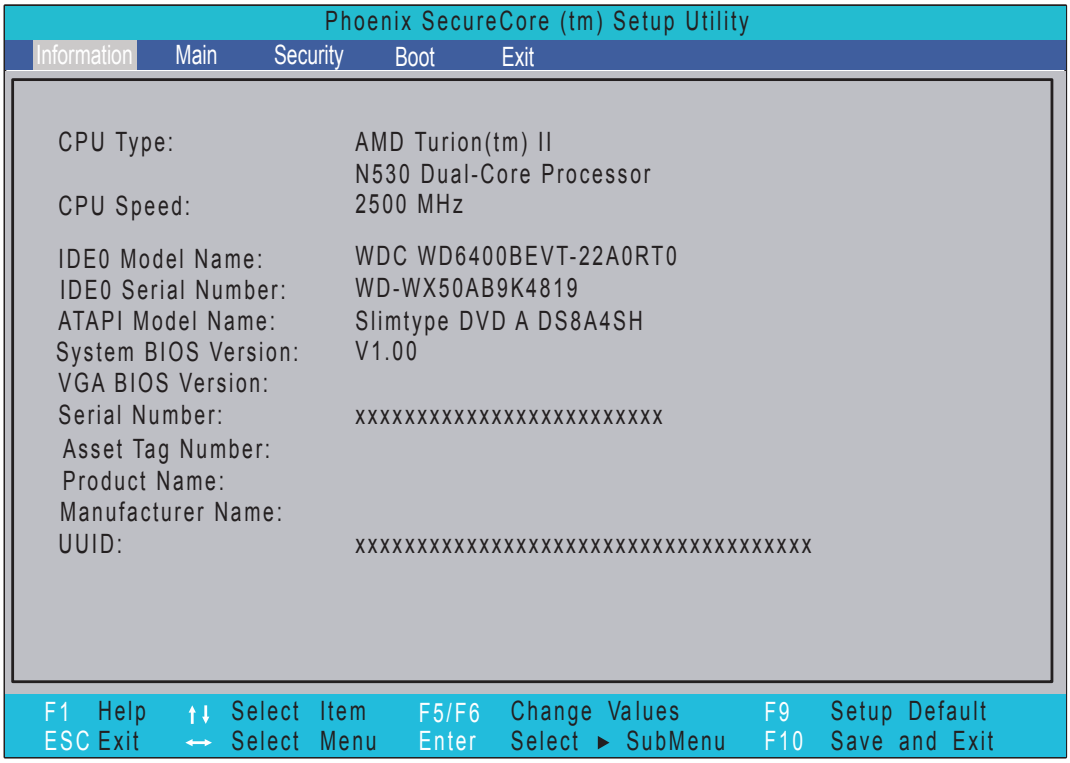
- To choose a menu, use the left and right arrow keys.
- To choose an item, use the up and down arrow keys.
- To change the value of a parameter, press **F5** or **F6**.
- A plus sign (+) indicates the item has sub-items. Press **Enter** to expand this item.
- Press **Esc** while you are in any of the menu options to go to the Exit menu.
- In any menu, you can load default settings by pressing **F9**. You can also press **F10** to save any changes made and exit the BIOS Setup Utility.

NOTE: You can change the value of a parameter if it is enclosed in square brackets. Navigation keys for a particular menu are shown on the bottom of the screen. Help for parameters are found in the Item Specific Help part of the screen. Read this carefully when making changes to parameter values. **Please note that system information is subject to different models**.

Downloaded from www.Manualslib.com manuals search engine

Information

The Information screen displays a summary of your computer hardware information.



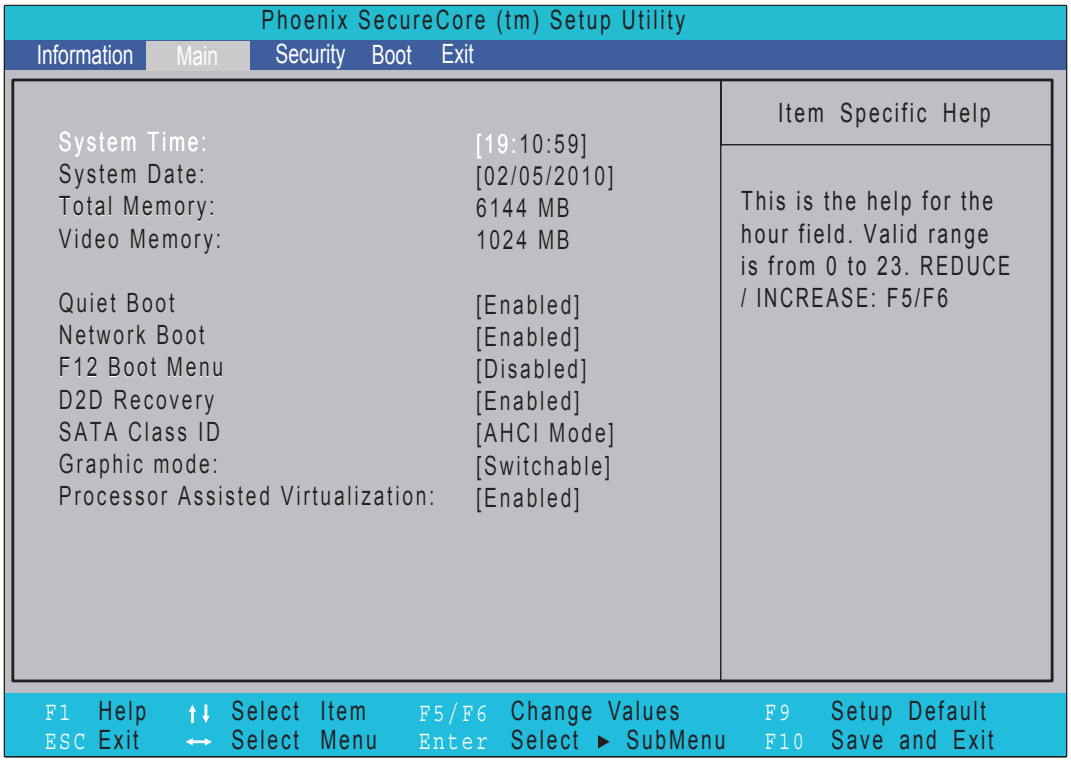
NOTE: The system information is subject to different models.

Parameter	Description
CPU Type	This field shows the CPU type and speed of the system.
CPU Speed	This field shows the speed of the CPU.
IDE0 Model Name	This field shows the model name of HDD installed on primary IDE master.
IDE0 Serial Number	This field displays the serial number of HDD installed on primary IDE master.
ATAPI Model Name	This field displays the model name of the installed ODD drive.
System BIOS Version	Displays system BIOS version.
VGA BIOS Version	This field displays the VGA firmware version of the system.
Serial Number	This field displays the serial number of this unit.
Asset Tag Number	This field displays the asset tag number of the system.
Product Name	This field shows product name of the system.
Manufacturer Name	This field displays the manufacturer of this system.
UUID	Universally Unique Identifier (UUID) is an identifier standard used in software construction, standardized by the Open Software Foundation (OSF) as part of the Distributed Computing Environment (DCE).

Downloaded from www.Manualslib.com manuals search engine

Main

The Main screen allows the user to set the system time and date as well as enable and disable boot option and recovery.



NOTE: The screen above is for your reference only. Actual values may differ.

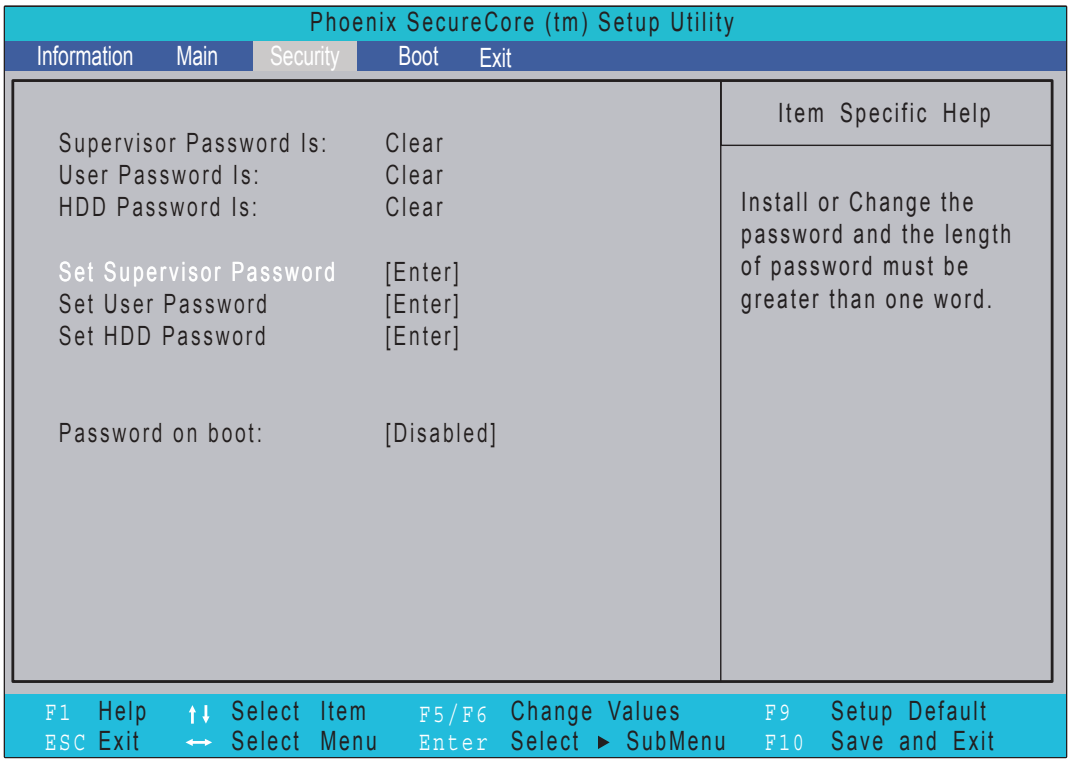
The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Format/Option
System Time	Sets the system time. The hours are displayed with 24-hour format.	Format: HH:MM:SS (hour:minute:second)
System Date	Sets the system date.	Format MM/DD/YYYY (month/day/year)
Total Memory	This field reports the memory size of the system. Memory size is fixed to 4096MB.	N/A
Video Memory	Shows the video memory size. VGA Memory size=32 MB	N/A
Quiet Boot	This will hide POST messages while booting.	Option: **Enabled** or Disabled
Network Boot	Enables, disables the system boot from LAN (remote server).	Option: **Enabled** or Disabled
F12 Boot Menu	Enables, disables Boot Menu during POST.	Option: **Disabled** or Enabled
D2D Recovery	Enables, disables D2D Recovery function. The function allows the user to create a hidden partition on hard disc drive to store operation system and restore the system to factory defaults.	Option: **Enabled** or Disabled
SATA Class ID	Control the mode in which the SATA controller should operate.	Option: **AHCI mode** or IDE mode
Graphic mode	Controls the graphics mode. Note: this option is only available on discrete systems	Option: **Switchable** or Discrete
Processor Assisted Virtualization	Enables, disables processor assisted virtualization. Note: this option is only available on CPUs that support this function.	Option: **Enabled** or Disabled

Downloaded from www.Manualslib.com manuals search engine

Security

The Security screen contains parameters that help safeguard and protect your computer from unauthorized use.



The table below describes the parameters in this screen. Settings in **boldface** are the default and suggested parameter settings.

Parameter	Description	Option
Supervisor Password Is	Shows the setting of the Supervisor password	**Clear** or Set
User Password Is	Shows the setting of the user password.	**Clear** or Set
HDD Password Is	Shows the setting of the user password	**Clear** or Set
Set Supervisor Password	Press Enter to set the supervisor password. When set, this password protects the BIOS Setup Utility from unauthorized access. The user can not either enter the Setup menu nor change the value of parameters.	N/A
Set User Password	Press Enter to set the user password. When user password is set, this password protects the BIOS Setup Utility from unauthorized access. The user can enter Setup menu only and does not have right to change the value of parameters.	N/A
Set HDD Password	Press Enter to set the HDD password. When set this protects the HDD from unauthorized access.	N/A
Password on boot	Defines whether a password is required or not while the events defined in this group happened. The sub-options all require the Supervisor password for changes and should be grayed out if the user password was used to enter setup.	**Disabled** or Enabled

NOTE: When you are prompted to enter a password, you have three tries before the system halts. Don't forget the password. If you forget the password, you may have to reset the computer.

Downloaded from www.Manualslib.com manuals search engine

SSetting a Password

Follow these steps as you set the user or the supervisor password:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears:

2. Type a password in the “Enter New Password” field. The password length can not exceeds 8 alphanumeric characters (A-Z, a-z, 0-9, not case sensitive). Retype the password in the “Confirm New Password” field.

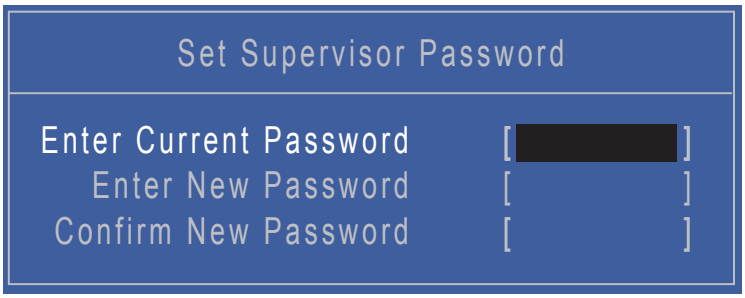
IMPORTANT: Be very careful when typing your password because the characters do not appear on the screen.

3. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
4. If desired, you can opt to enable the Password on boot parameter.
5. When you are done, press F10 to save the changes and exit the BIOS Setup Utility.

Removing a Password

Follow these steps:

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Password box appears:

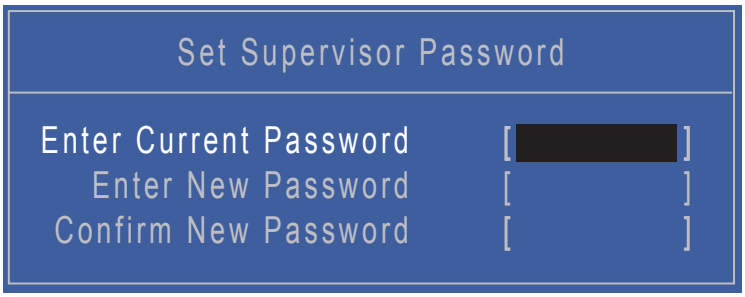


2. Type the current password in the Enter Current Password field and press **Enter**.
3. Press **Enter** twice **without** typing anything in the Enter New Password and Confirm New Password fields. The computer then sets the Supervisor Password parameter to “Clear”.

Downloaded from www.Manualslib.com manuals search engine

Changing a Password

1. Use the ↑ and ↓ keys to highlight the Set Supervisor Password parameter and press the **Enter** key. The Set Supervisor Password box appears.



2. Type the current password in the Enter Current Password field and press **Enter**.
3. Type a password in the Enter New Password field. Retype the password in the Confirm New Password field.
4. Press **Enter**. After setting the password, the computer sets the User Password parameter to “Set”.
5. If desired, you can enable the Password on boot parameter.
6. When you are done, press **F10** to save the changes and exit the BIOS Setup Utility.

If the verification is OK, the screen will display as following.

The password setting is complete after the user presses **Enter**.

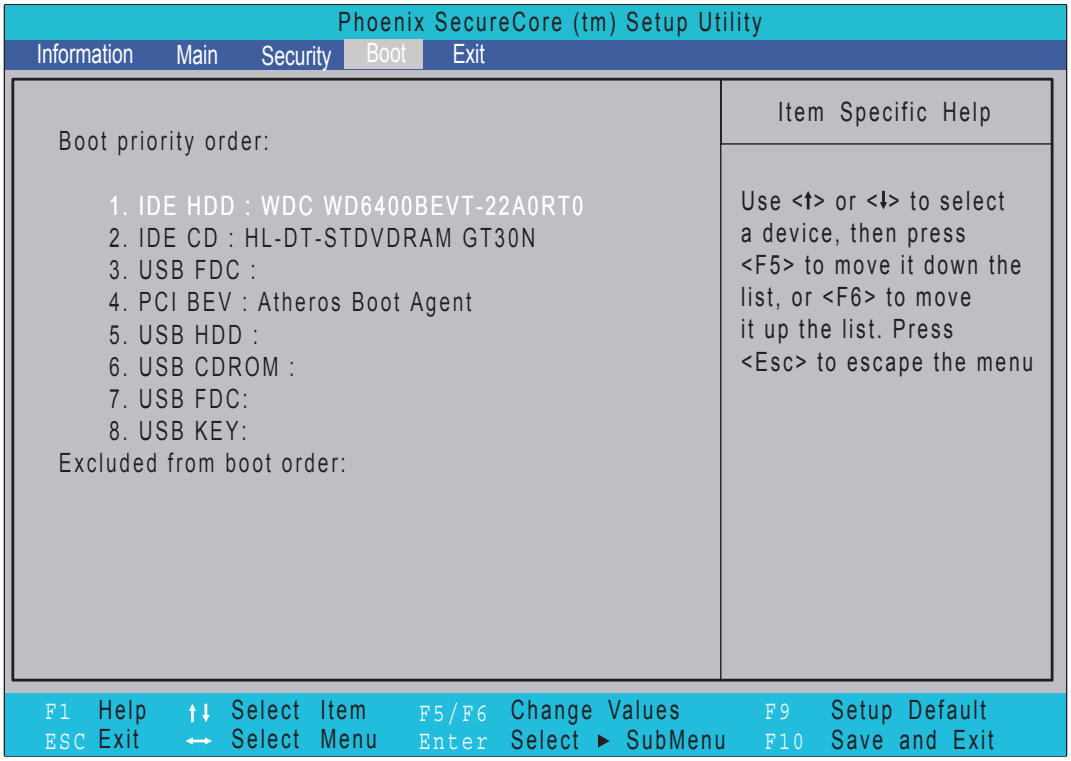
If the current password entered does not match the actual current password, the screen will show you the Setup Warning.

If the new password and confirm new password strings do not match, the screen displays the following message.

Downloaded from www.Manualslib.com manuals search engine

Boot

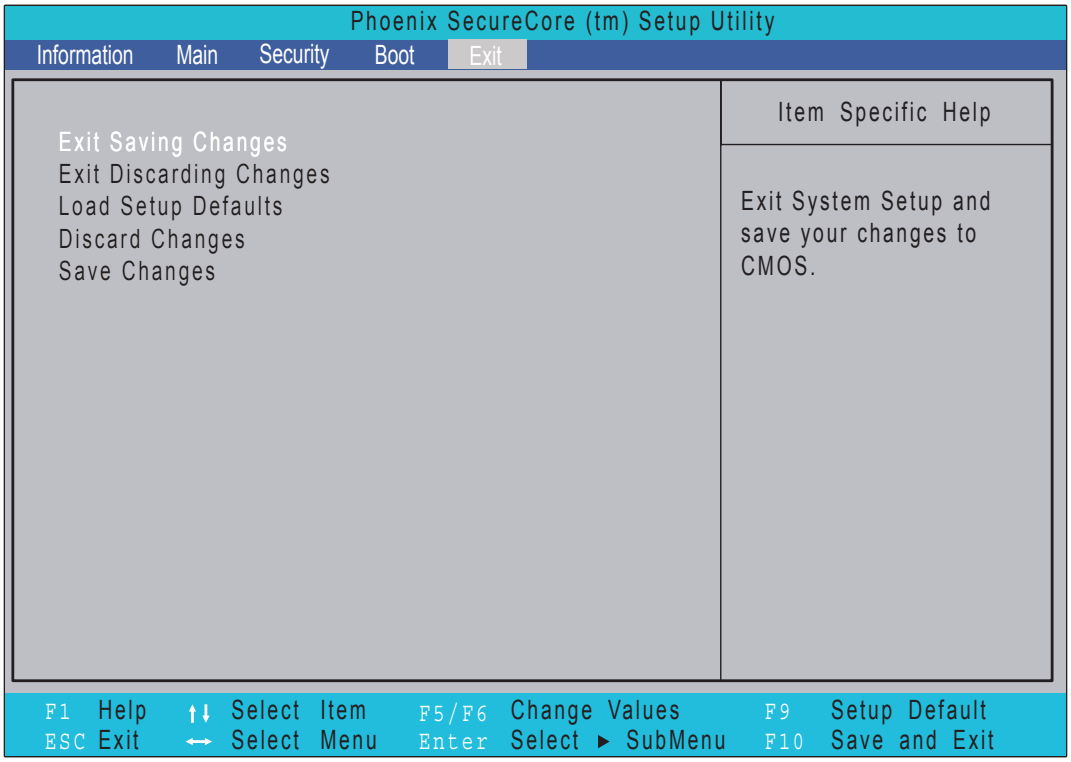
This menu allows the user to decide the order of boot devices to load the operating system. Bootable devices includes the USB diskette drives, the onboard hard disk drive and the DVD drive in the module bay.


Phoenix SecureCore (tm) Setup Utility
Information
Main
Security
Boot
Exit
Boot priority order:
1. IDE HDD : WDC WD6400BEVT-22A0RT0
2. IDE CD : HL-DT-STDVDRAM GT30N
3. USB FDC :
4. PCI BEV : Atheros Boot Agent
5. USB HDD :
6. USB CDROM :
7. USB FDC:
8. USB KEY:
Excluded from boot order:
Item Specific Help
Use <↑> or <↓> to select a device, then press <F5> to move it down the list, or <F6> to move it up the list. Press <Esc> to escape the menu
F1 Help ↑↓ Select Item F5/F6 Change Values F9 Setup Default
ESC Exit ↔ Select Menu Enter Select ▶ SubMenu F10 Save and Exit

Downloaded from www.Manualslib.com manuals search engine

Exit

The Exit screen allows you to save or discard any changes you made and quit the BIOS Utility.



The table below describes the parameters in this screen.

Parameter	Description
Exit Saving Changes	Exit System Setup and save your changes to CMOS.
Exit Discarding Changes	Exit utility without saving setup data to CMOS.
Load Setup Default	Load default values for all SETUP item.
Discard Changes	Load previous values from CMOS for all SETUP items.
Save Changes	Save Setup Data to CMOS.

Downloaded from www.Manualslib.com manuals search engine

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

Downloaded from www.Manualslib.com manuals search engine

BIOS Flash Utility

The BIOS flash memory update is required for the following conditions:

- New versions of system programs
- New features or options
- Restore a BIOS when it becomes corrupted.

DOS Flash Utility

Perform the following steps to use the DOS Flash Utility:

1. Copy ZQ5v0.08.exe to a USB stick.
2. **Boot to DOS mode.**
3. **Execute ZQ5v0.08.exe in DOS mode to begin the flash process. The system will restart automatically when finsihed.**

WinFlash Utility

Perform the following steps to use the WinFlash Utility:

1. Double click the WinFlash executable (WinPhlash2.0.3.4), then choose “ZA8_3101.WPH “ to continue.
2. If the AC adapter is disconnected, the following message displays.

Phoenix Secure WinFlash
BIOS update failed! Failed to flash BIOS image:
Plug in AC Adapter
BIOS is not flashable.
Error code: -144
See the Help for troubleshooting.
OK

3. After 5 to 10 seconds the Flash application will launch and run automatically.

4. The system will restart automatically when the upgrade is complete.

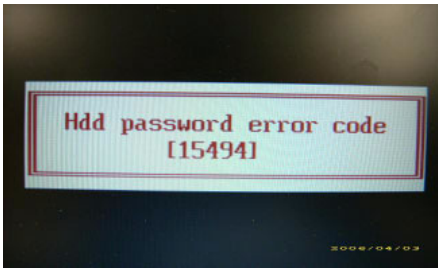
Downloaded from www.Manualslib.com manuals search engine

Remove HDD/BIOS Password Utilities

This section provides you with details about removing HDD/BIOS password:

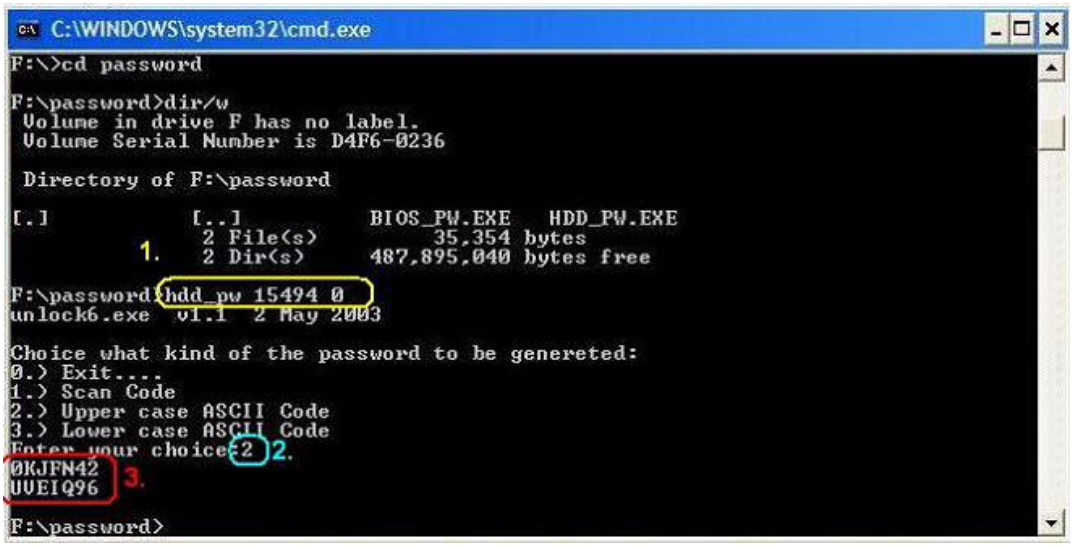
Remove HDD Password:

If you key in the wrong HDD password three times, an error is generated.



To reset the HDD password, perform the following steps:

1. On another computer, run HDD_PW.exe.
2. Enter “hdd_pw 15494 0”
3. Chose one (1) of the generated passwords.



4. Reboot the locked computer and key in one of the passwords from number 3 above.

Downloaded from www.Manualslib.com manuals search engine

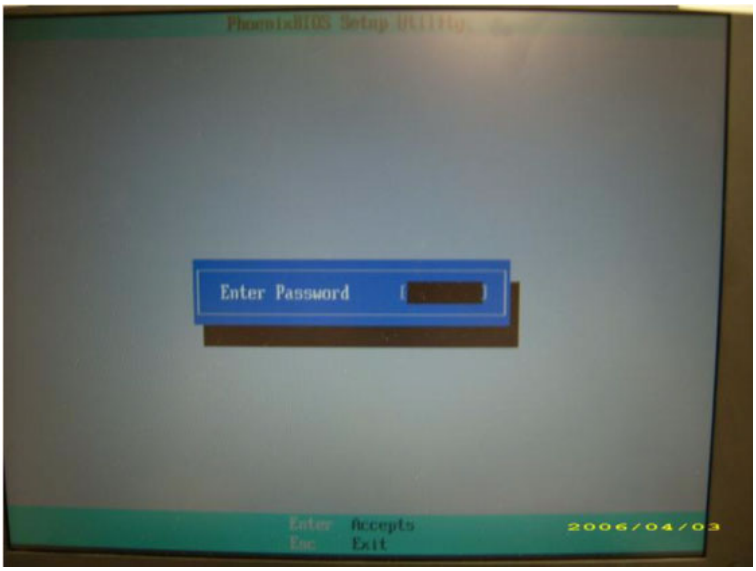
Removing BIOS Passwords:

If you key in the wrong Supervisor Password three times, System Disabled displays on the screen as below.

To reset the BIOS password, run BIOS_PW.EXE on a second machine as follows:

1. At a command prompt, type **bios_pw 14452 0**.
2. Select one string from the list.

3. Reboot the system and type the selected string (in this example qjjg9vy or 07yqmjd etc.) for the BIOS user password.

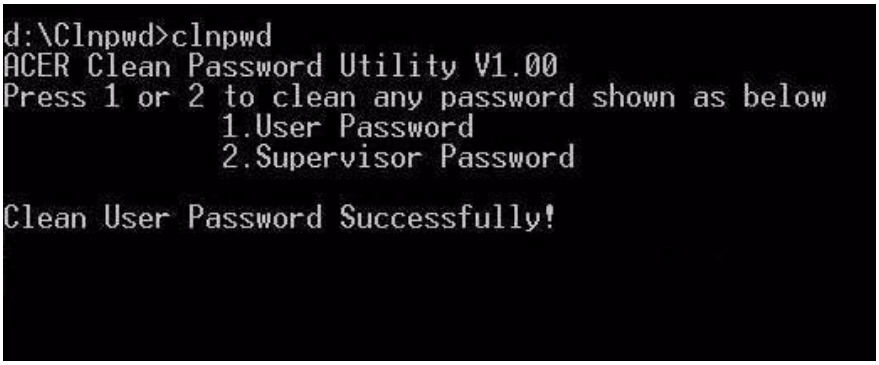


Downloaded from www.Manualslib.com manuals search engine

Cleaning BIOS Passwords

To clear the password, perform the following steps:

1. From a DOS prompt, Execute **clnpwd.exe**


d:\Clnpwd>clnpwd
ACER Clean Password Utility V1.00
Press 1 or 2 to clean any password shown as below
1.User Password
2.Supervisor Password
Clean User Password Successfully!

2. Press 1 or 2 to clean the desired password shown on the screen.

The onscreen message determines whether the function is successful or not.

Downloaded from www.Manualslib.com manuals search engine

Miscellaneous Utilities

Using Boot Sequence Selector

Boot Sequence Selector allows the boot order to be changes without accessing the BIOS. To use Boot Sequence Selector, perform the following steps:

1. Enter into DOS.
2. Execute BS.exe to display the usage screen.

```
d:\BOOTSEQ>bs

*** Boot Sequence Selecter Version 0.03 ***
Create by Rockwell Chuang 10/01/2005.

Usage:
       BS [ 1 | 2 | 3 | 4 ]

BS 1 : [ Floppy ] => [HardDisk] => [ CD-ROM ] => [  LAN   ]
BS 2 : [HardDisk] => [ CD-ROM ] => [  LAN   ] => [ Floppy ]
BS 3 : [ CD-ROM ] => [HardDisk] => [  LAN   ] => [ Floppy ]
BS 4 : [  LAN   ] => [ Floppy ] => [HardDisk] => [ CD-ROM ]

d:\BOOTSEQ>
```

3. Select the desired boot sequence by entering the corresponding sequence, for example, enter BS2 to change the boot sequence to HDD|CD ROM|LAN|Floppy.

Using DMITools

The DMI (Desktop Management Interface) Tool copies BIOS information to eeprom to be used in the DMI pool for hardware management.

When the BIOS displays **Verifying DMI pool data** it is checking the table correlates with the hardware before sending to the operating system (Windows, etc.).

To update the DMI Pool, perform the following steps:

1. Enter into DOS.
2. Execute **dmitools.exe**. The following messages show dmitools usage:

```
*** Compal DMI String R/W Utility Ver1.40 for 2006/03/14 ***

  Usage:

    DMITOOLS [ /R | /WP | /WS | /WU ] [ STRING ]

        [/R]    : Read DMI Information from Memory
        [/WM]   : Write Manufacturer Name to EEPROM. (Max.= 16 characters)
        [/WP]   : Write Product Name to EEPROM.      (Max.= 16 characters)
        [/WS]   : Write Serial Number to EEPROM      (Max.= 22 characters)
        [/WU]   : Write UUID to EEPROM.              (Ignore String       )
        [/WA]   : Write Asset Tag to EEPROM.         (Max.= 32 characters)
```

IMPORTANT: The following write examples (2 to 5) require a system reboot to take effect

Downloaded from www.Manualslib.com manuals search engine

Example 1: Read DMI Information from Memory

Input:

dmitools /r

Output:

Manufacturer (Type1, Offset04h): Acer

Product Name (Type1, Offset05h): NS41 xxxxx

Serial Number (Type1, Offset07h): 01234567890123456789

UUID String (Type1, Offset08h): xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx

Asset Tag (Type3, Offset04h): Acer Asstag

Example 2: Write Product Name to EEPROM

Input:

dmitools /wp Gateway

Example 3: Write Serial Number to EEPROM

Input:

dmitools /ws 01234567890123456789

Example 4: Write UUID to EEPROM

Input:

dmitools /wu

Example 5: Write Asset Tag to EEPROM

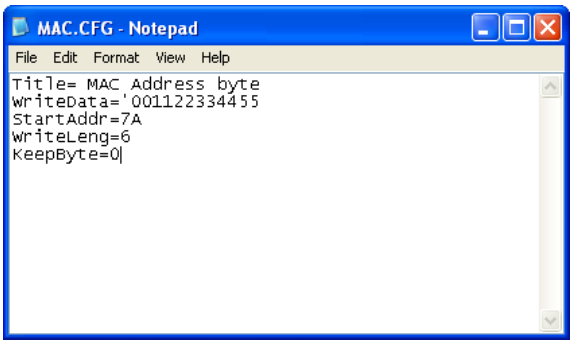
Input:

dmitools /wa Gatewa Asstag

Using the LAN MAC Utility

Perform the following steps to write MAC information to eeprom:

1. Use a text editor, for example Notepad, to edit the MAC.CFG file as shown:



- WriteData= '001122334455' <------- MAC value
- StartAddr=7A <------- MAC address
- WriteLeng=6 <------- MAC value length
- KeepByte=0 <------- can be any value

2. Boot into DOS.
3. Execute **MAC.BAT** to write MAC information to eeprom.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

Chapter 3

Machine Disassembly and Replacement

IMPORTANT: The outside housing and color may vary from the mass produced model.

This chapter contains step-by-step procedures on how to disassemble the notebook computer for maintenance and troubleshooting.

Disassembly Requirements

To disassemble the computer, you need the following tools:

- Wrist grounding strap and conductive mat for preventing electrostatic discharge
- Flat screwdriver
- Philips screwdriver
- Plastic flat screwdriver
- Plastic tweezers

NOTE: The screws for the different components vary in size. During the disassembly process, group the screws with the corresponding components to avoid mismatch when putting back the components.

Downloaded from www.Manualslib.com manuals search engine

Pre-disassembly Instructions

Before proceeding with the disassembly procedure, make sure that you do the following:

1. Turn off the power to the system and all peripherals.
2. Unplug the AC adapter and all power and signal cables from the system.

3. Place the system on a flat, stable surface.

Downloaded from www.Manualslib.com manuals search engine

Disassembly Process

The disassembly process is divided into the following stages:

- External module disassembly
- Main unit disassembly
- LCD module disassembly

The flowcharts provided in the succeeding disassembly sections illustrate the entire disassembly sequence. Observe the order of the sequence to avoid damage to any of the hardware components. For example, if you want to remove the mainboard, you must first remove the keyboard, then disassemble the inside assembly frame in that order.

Main Screw List

Screw	Quantity	Part Number
M2.0*3.0-I	15	86.ARE07.002
M2.5*4.0-I	9	86.R6Z07.001
M2.5*5.0-I	2	86.T23V7.010
M2.5*6.5-I	22	86.ARE07.001
M3.0X3.5-NIH	4	86.N1407.007
M2-0.4*2-I	1	86.W4107.002

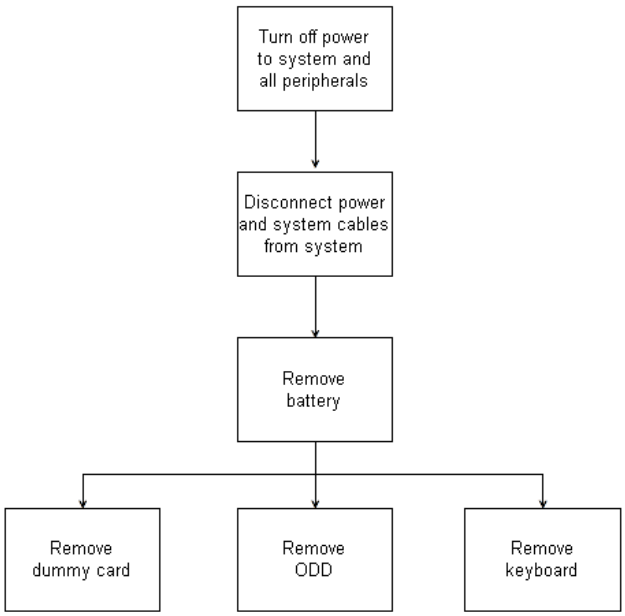
Downloaded from www.Manualslib.com manuals search engine

External Modules Disassembly Process

IMPORTANT: The outside housing and color may vary from the mass produced model.

External Modules Disassembly Flowchart

The flowchart below gives you a graphic representation on the entire disassembly sequence and instructs you on the components that need to be removed during servicing. For example, if you want to remove the mainboard, you must first remove the keyboard, then disassemble the inside assembly frame in that order.


Turn off power to system and all peripherals
Disconnect power and system cables from system
Remove battery
Remove dummy card
Remove ODD
Remove keyboard

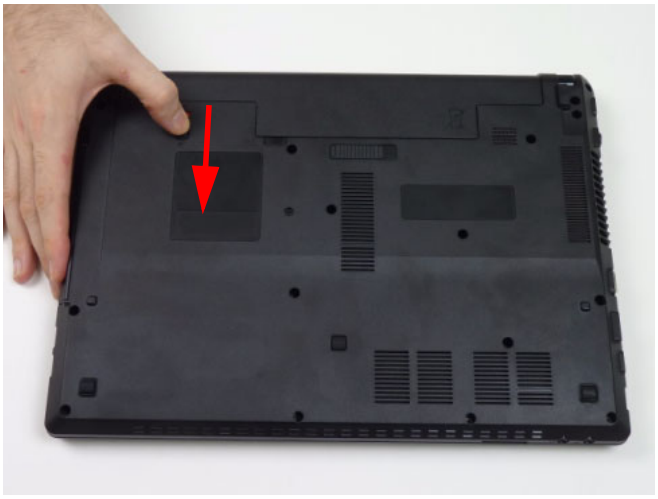
Screw List

Step	Screw	Quantity	Part No.
ODD Module Disassembly	M2.5*6.5-I	1	86.ARE07.001
ODD Bracket Disassembly	M2.0*3.0-I	2	86.ARE07.002

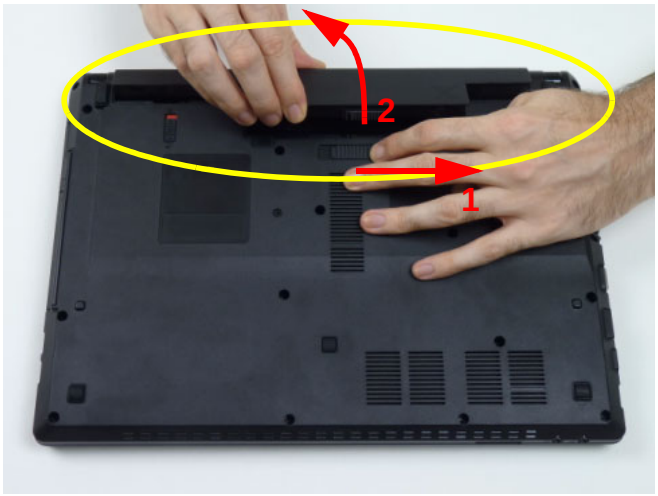
Downloaded from www.Manualslib.com manuals search engine

Removing the Battery Pack

1. Turn the computer over. Slide the battery lock in the direction shown.



2. Slide and hold the battery release latch to the release position (1), then lift out the battery pack from the main unit (2).



NOTE: Please detach the battery and follow local regulations for disposal.

Downloaded from www.Manualslib.com manuals search engine

Removing the SD Dummy Card

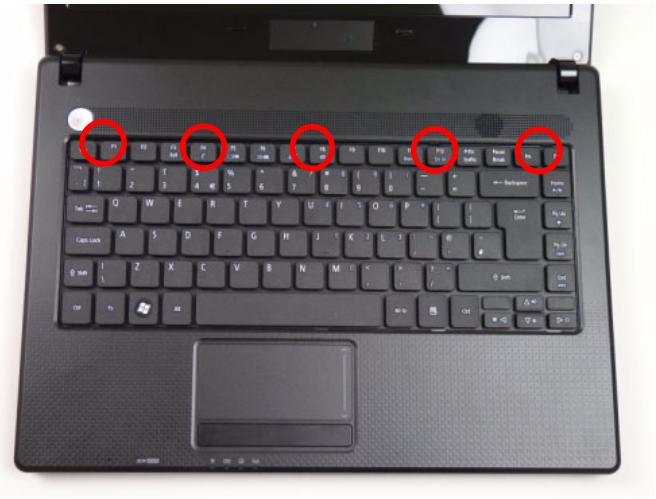
1. See “Removing the Battery Pack” on page 51.
2. Push the SD dummy card all the way in to eject it.

3. Pull it out from the slot.

Downloaded from www.Manualslib.com manuals search engine

Removing the Keyboard

1. See “Removing the Battery Pack” on page 51.
2. Turn the computer over and fully open the lid. There are five (5) securing clips that must be released in order to remove the keyboard.

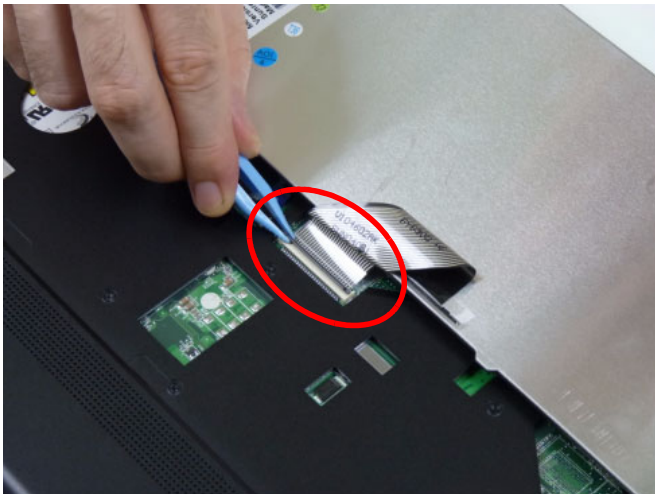


3. Release each clip, working from one side to the other.

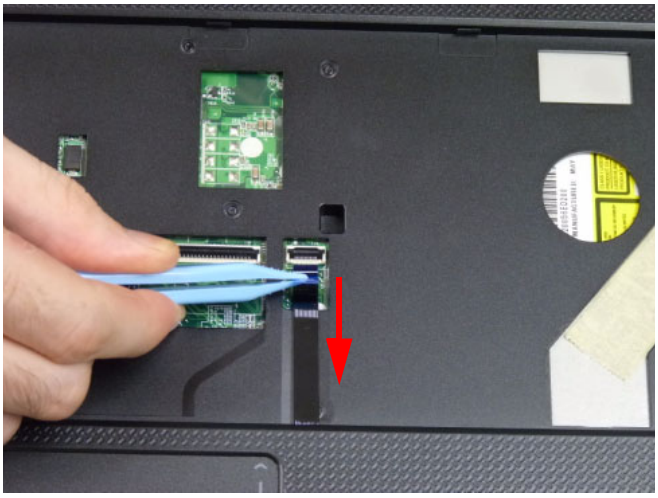
4. Using both hands, gently pry up the keyboard as shown and turn it over onto the palm rest.

Downloaded from www.Manualslib.com manuals search engine

5. Unlock the keyboard FPC and disconnect the cable as shown. Lift the keyboard clear of the chassis.



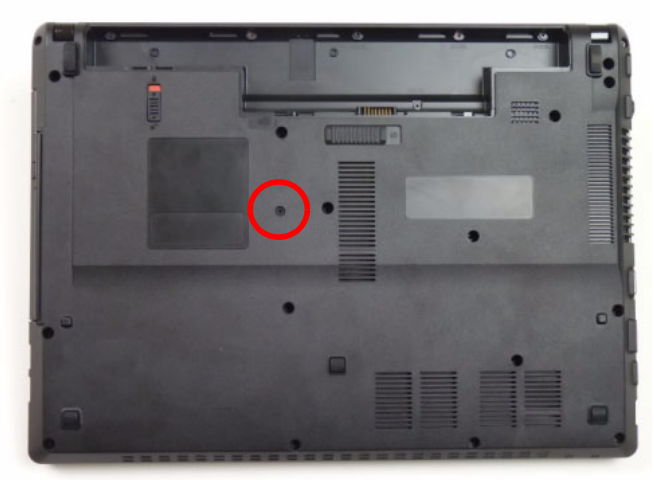
6. Unlock and disconnect the Touchpad FPC from the mainboard:



Downloaded from www.Manualslib.com manuals search engine

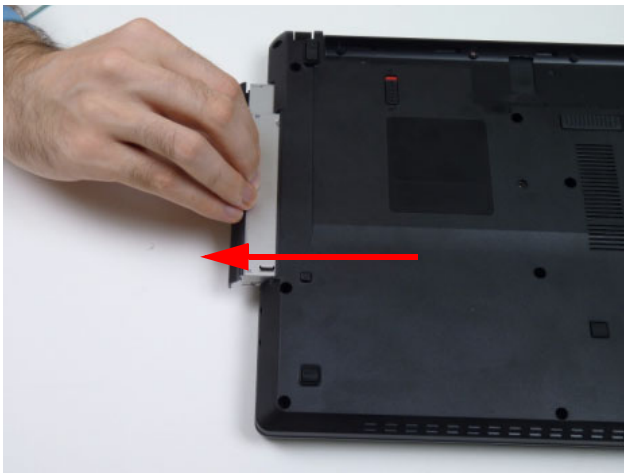
Removing the ODD Module

1. See “Removing the Battery Pack” on page 51.
2. Remove the one (1) screw securing the ODD module in place.



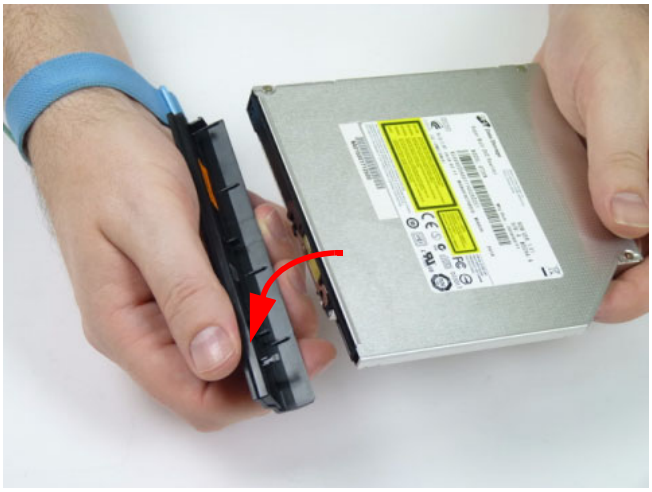
Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.0*3.0	2	

3. Grasp the ODD by the bezel and slide it out of the chassis.



Downloaded from www.Manualslib.com manuals search engine

4. Remove the ODD bezel by rotating the top edge downward.



5. Remove the two screws securing the ODD bracket.

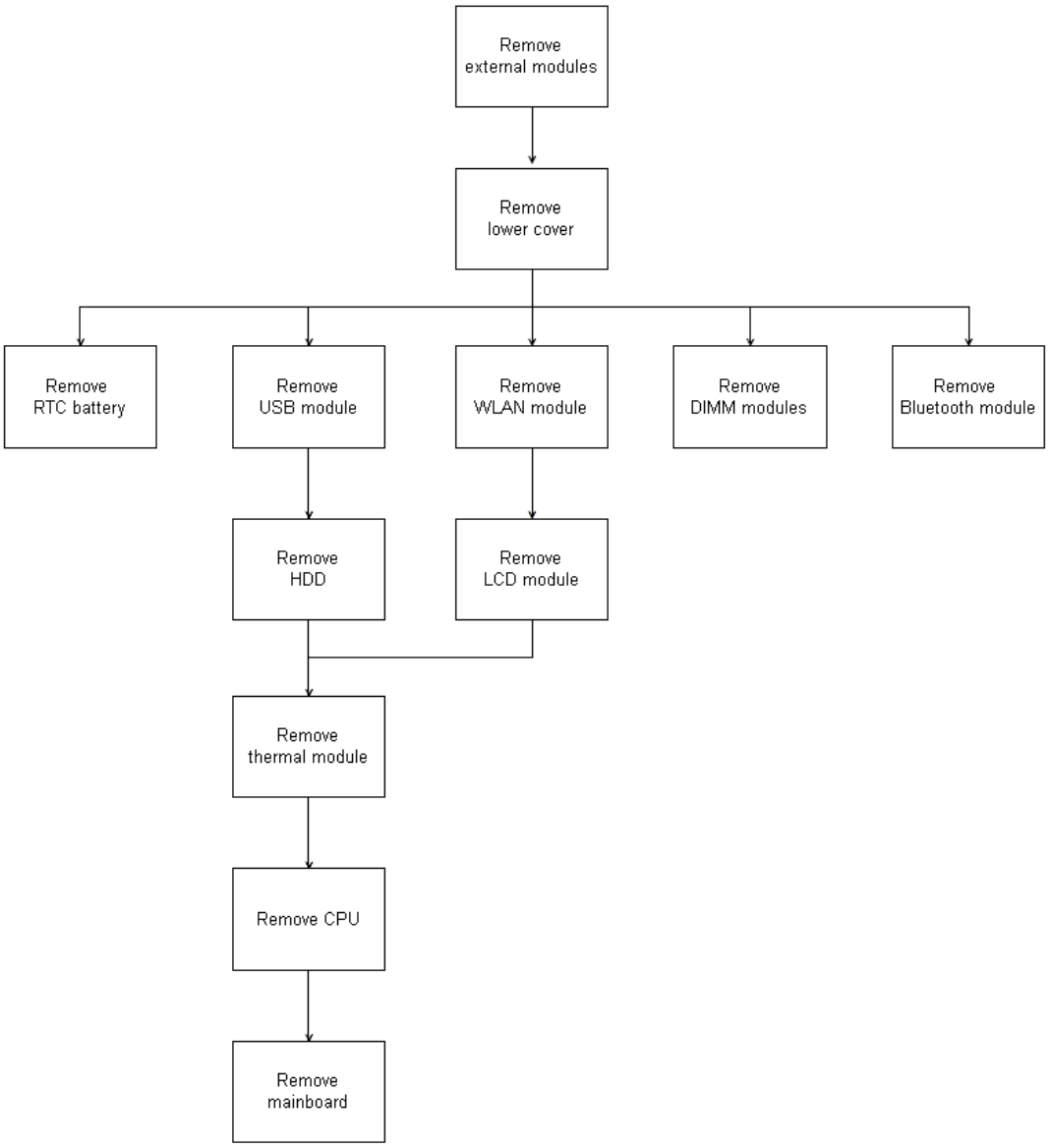
Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.0*3.0	2	

6. Remove the bracket from the ODD.

Downloaded from www.Manualslib.com manuals search engine

Main Unit Disassembly Process

Main Unit Disassembly Flowchart



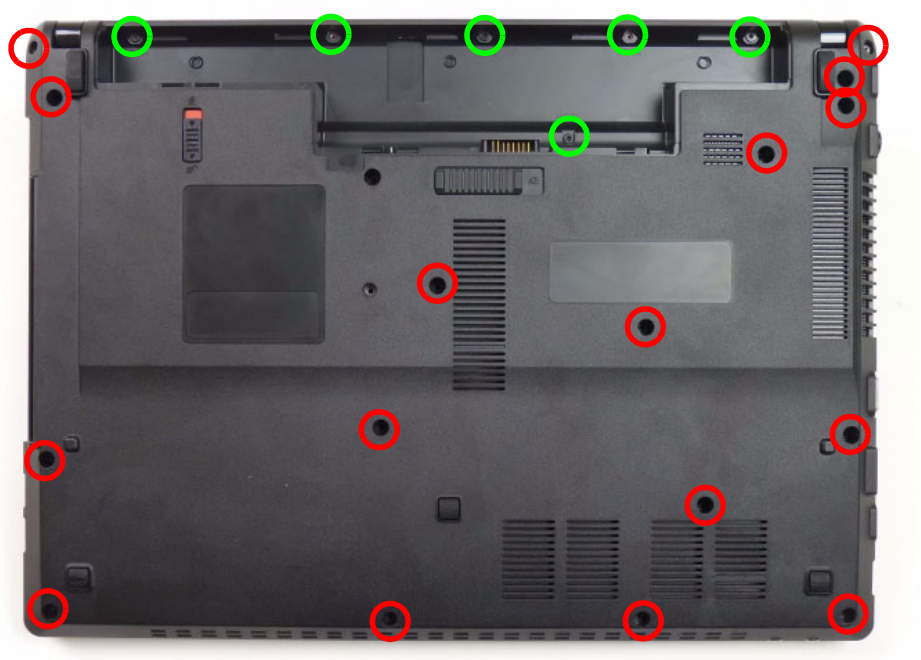
Screw List

Step	Screw	Quantity	Part No.
LCD Module	M2.5*6.5-I	4	86.ARE07.001
Lower Cover Disassembly	M2.5*6.5-I	17	86.ARE07.001
	M2.0*3.0-I	6	86.ARE07.002
USB Board Disassembly	M2.5*4.0-I	1	86.R6Z07.001
HDD Module Disassembly	M2-0.4*2-I	1	86.W4107.002
HDD Bracket	M3.0X3.5	4	86.N1407.007
WLAN Module Disassembly	M2.0*3.0-I	1	86.ARE07.002
Mainboard Disassembly	M2.5*4.0-I	1	86.R6Z07.001
Thermal Module Disassembly	M2.5*4.0-I	1	86.R6Z07.001

Downloaded from www.Manualslib.com manuals search engine

Removing the Lower Cover

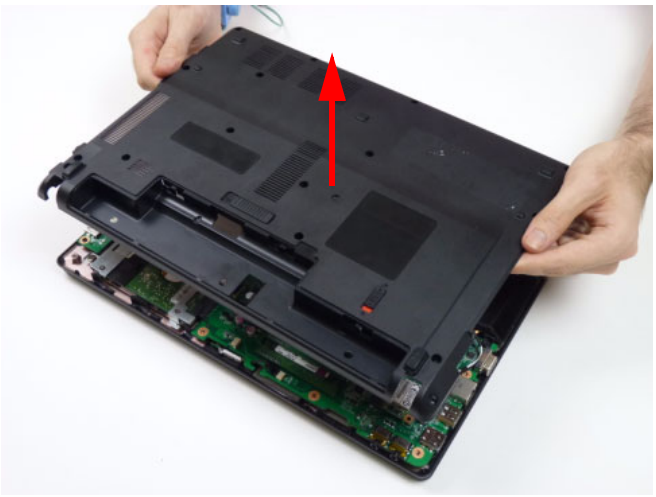
1. See “External Modules Disassembly Process” on page 50.
2. Remove the twenty two (22) securing screws from the lower cover.



Step	Size	Quantity	Screw Type
Lower Cover (red callout)	M2.0*6.0	16	
Battery Bay (green callout)	M2.0*3.0	6	

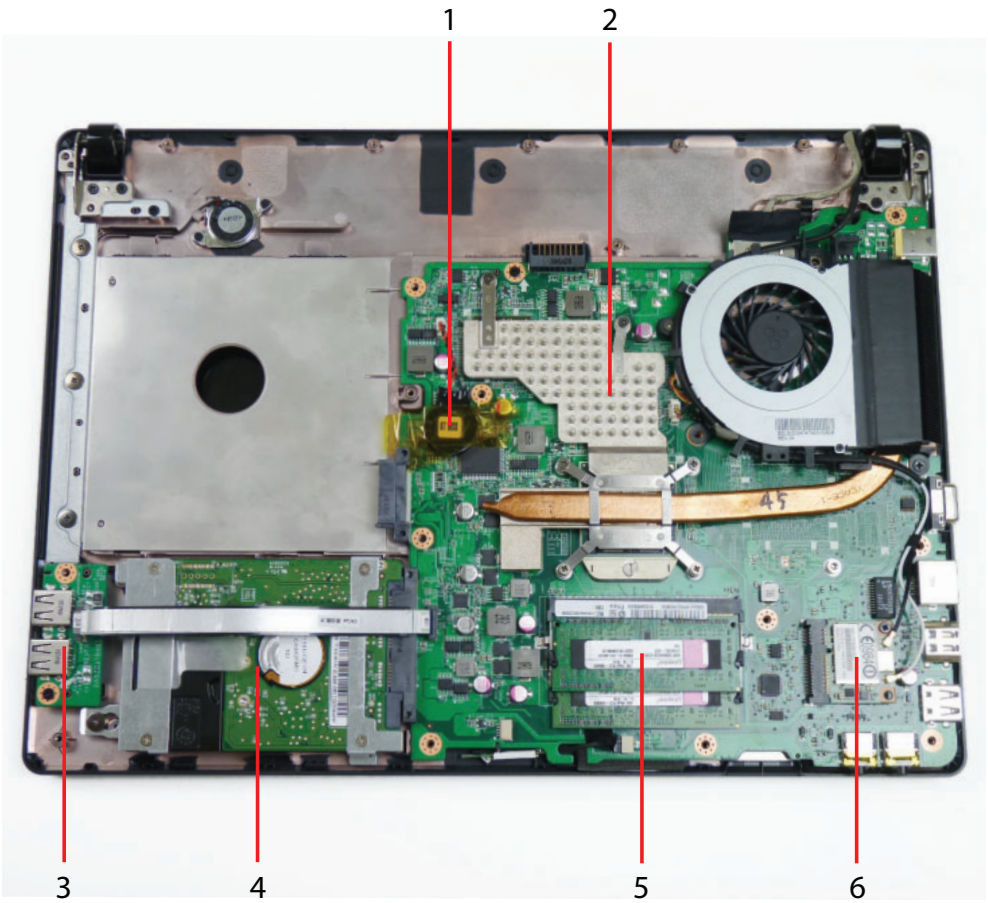
Downloaded from www.Manualslib.com manuals search engine

3. Grasp the ODD bay and the other hand on the other edge of the lower cover. Lift the lower cover from the device.



Component Overview

Main components are assembled on the mainboard as illustrated in the following graphic.

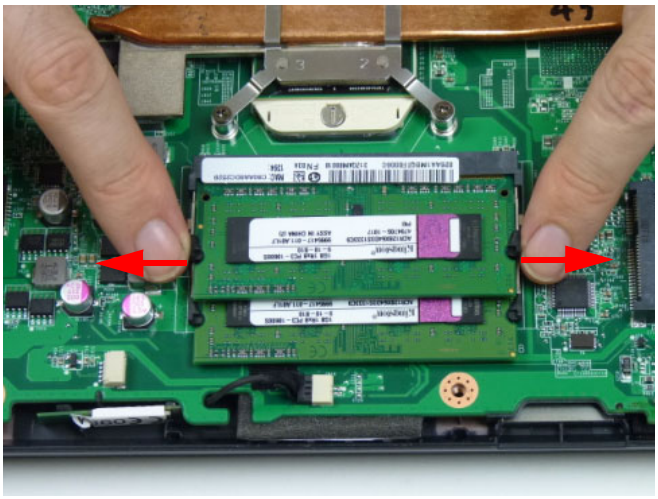


Item	Description	Item	Description
1	RTC battery	2	Heatsink
3	USB board	4	HDD
5	DIMM modules	6	WLAN module

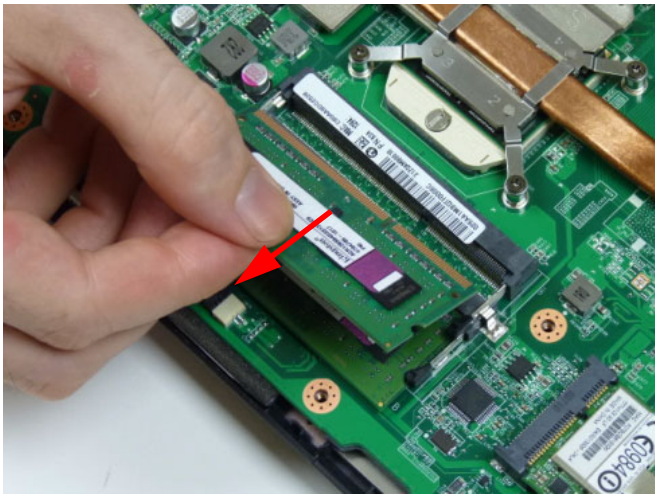
Downloaded from www.Manualslib.com manuals search engine

Removing the DIMM Modules

1. See “Removing the Lower Cover” on page 58.
2. Push out the release latches on both sides of the DIMM socket to release the DIMM module.



3. Remove the DIMM module.

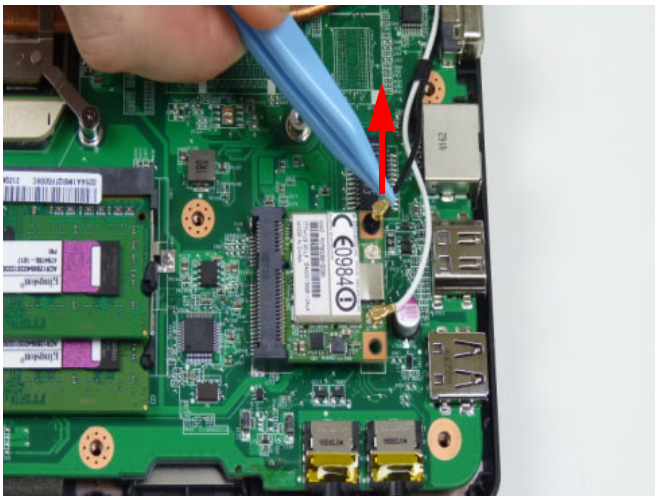


4. Repeat steps for the second DIMM module if present.

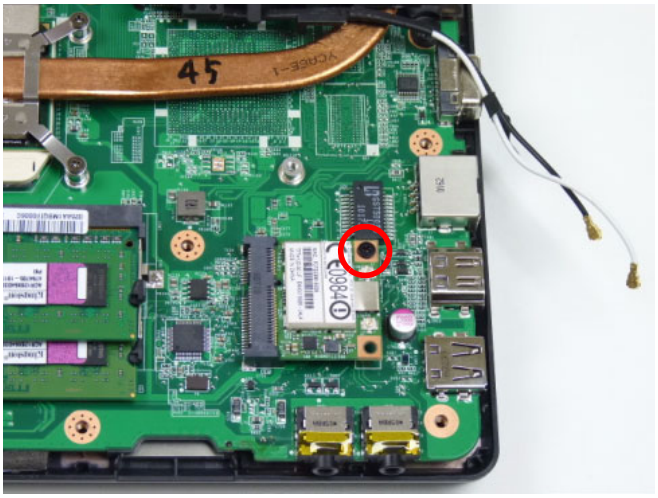
Downloaded from www.Manualslib.com manuals search engine

Removing the WLAN Module

1. See “Removing the Lower Cover” on page 58.
2. Disconnect the two (2) cables from the WLAN board.



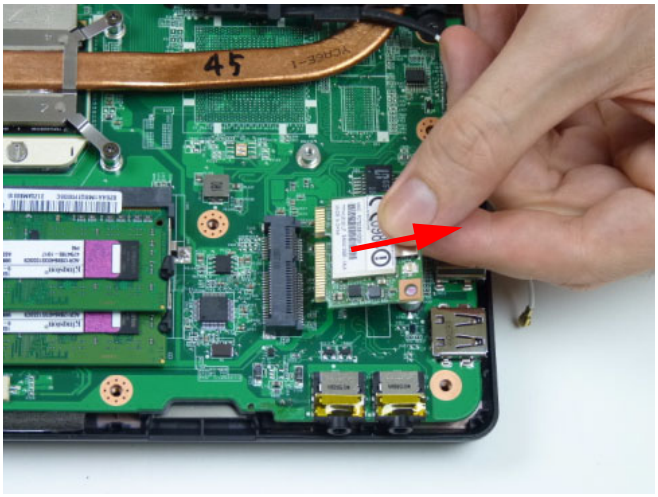
3. Remove the one (1) screw.



Step	Size	Quantity	Screw Type
WLAN Board Disassembly	M2.0*3.0	1	

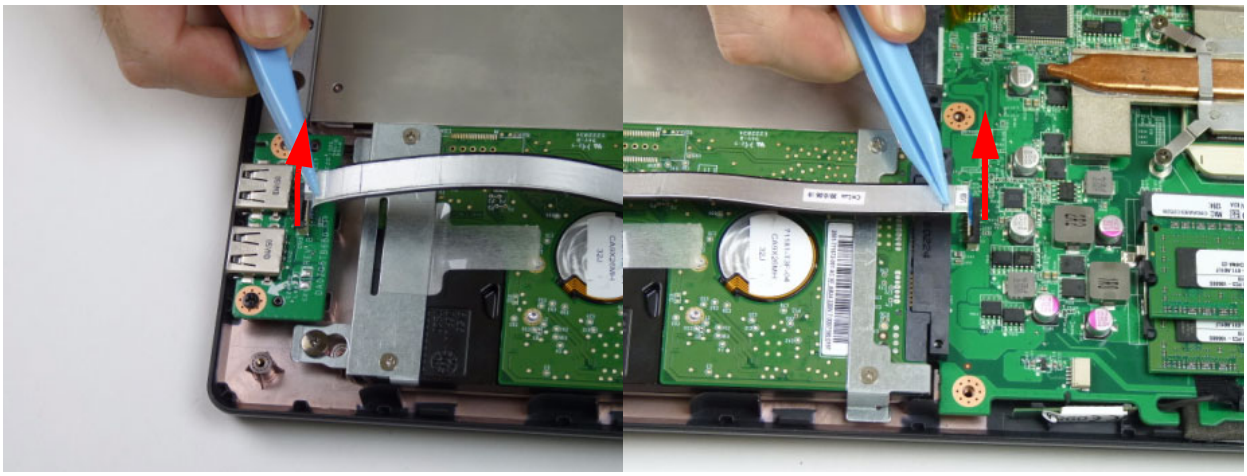
Downloaded from www.Manualslib.com manuals search engine

4. Detach and remove the WLAN board from the WLAN socket.



Removing the USB Board

1. See “Removing the Lower Cover” on page 58.
2. Unlock and disconnect the USB FFC from the USB board and mainboard connectors.



Downloaded from www.Manualslib.com manuals search engine

3. Remove the one (1) screw from the USB board.

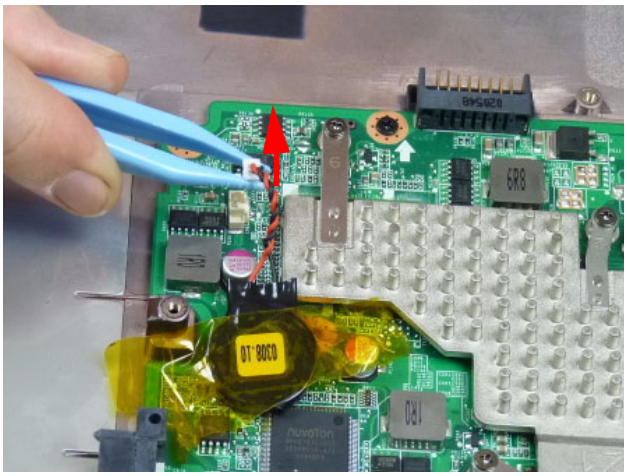
Step	Size	Quantity	Screw Type
USB Board Disassembly	M2.0*2.0	1	

4. Lift the USB board upward and away from the chassis.

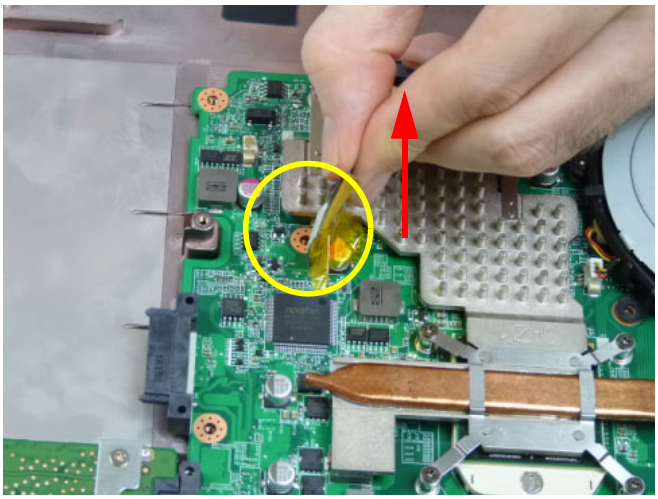
Downloaded from www.Manualslib.com manuals search engine

Removing the RTC Battery

1. See “Removing the Lower Cover” on page 58.
2. Disconnect the RTC battery cable from the mainboard.



3. Lift the RTC battery away from the mainboard.

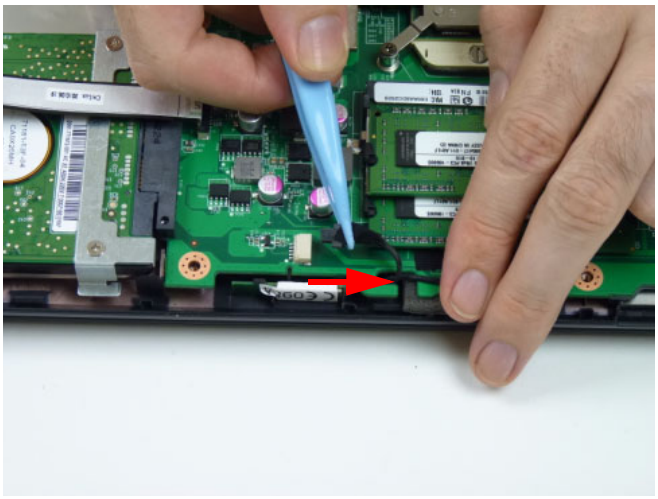


NOTE: The RTC battery has been highlighted with a yellow callout in the previous image. Please detach the RTC battery and follow local regulations for disposal.

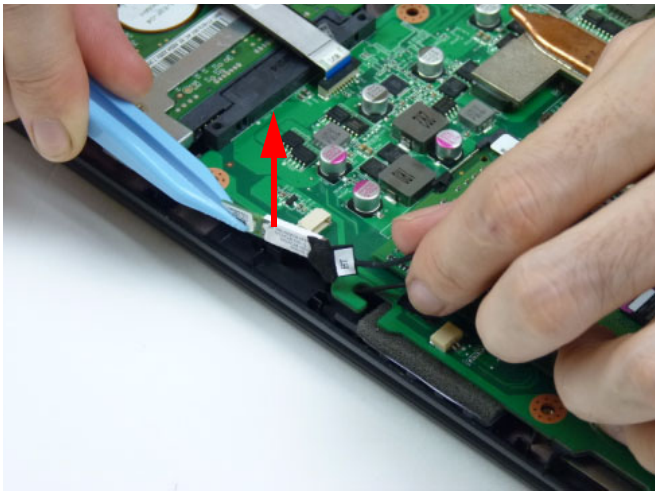
Downloaded from www.Manualslib.com manuals search engine

Removing the Bluetooth Module

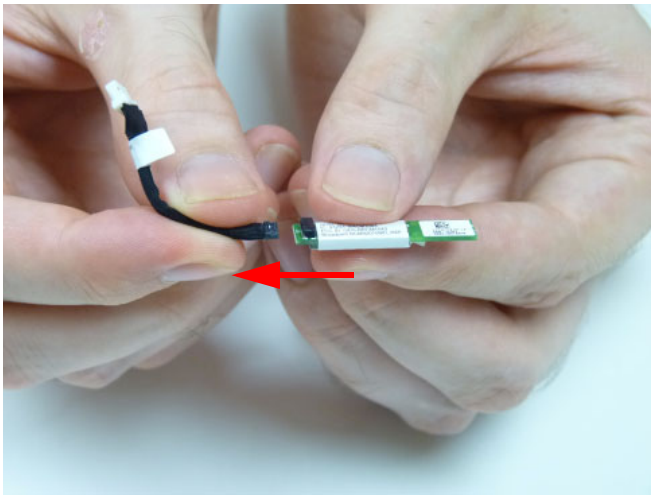
1. See “Removing the Lower Cover” on page 58.
2. Disconnect the Bluetooth cable from the mainboard.



3. Gently pry the Bluetooth module upwards and away from the mainboard.



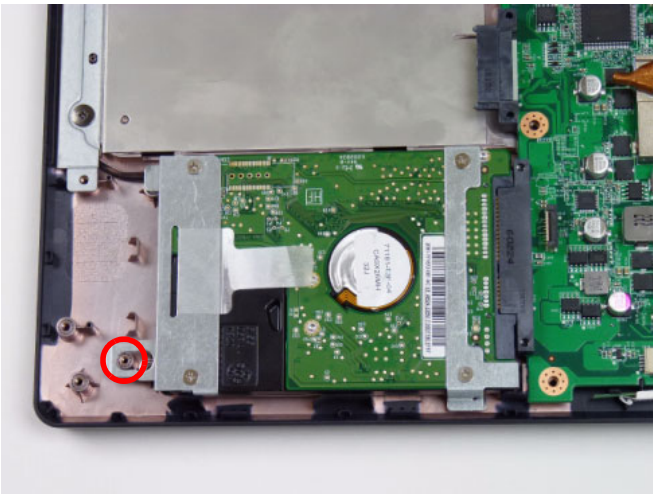
4. Disconnect the Bluetooth cable from the Bluetooth module.



Downloaded from www.Manualslib.com manuals search engine

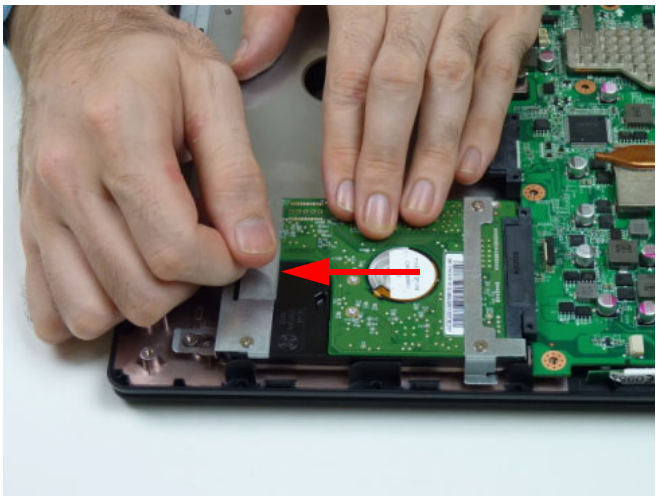
Removing the HDD Module

1. See “Removing the USB Board” on page 62.
2. Remove the one (1) screw securing the HDD module to the mainboard.



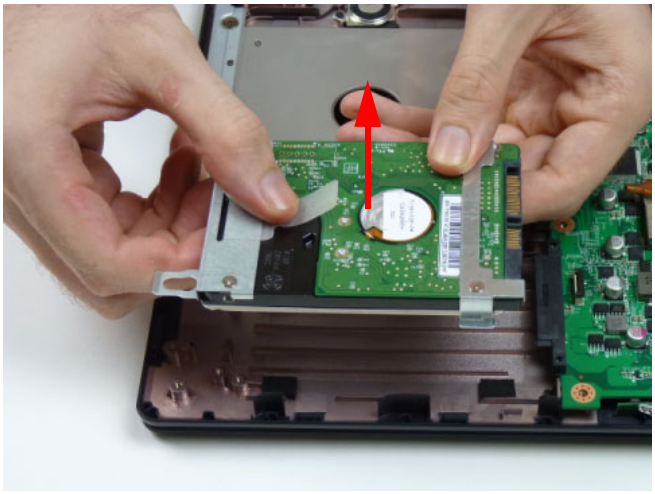
Step	Size	Quantity	Screw Type
HDD Module	M2.5*3.0 Ni	2	

3. Using the pull-tab, slide the HDD module in the direction of the arrow to disconnect the interface.

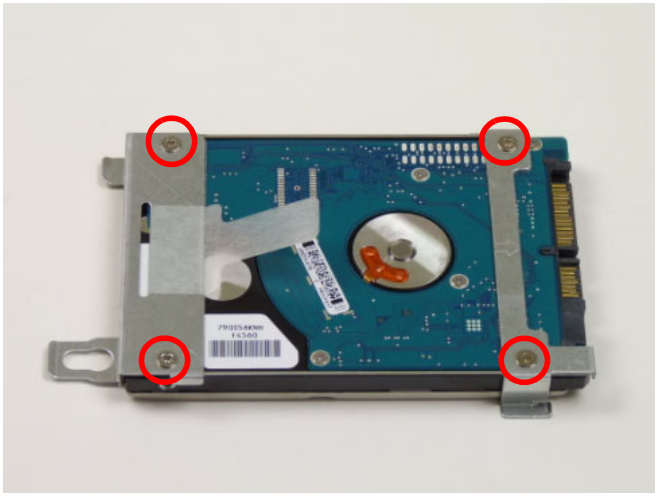


Downloaded from www.Manualslib.com manuals search engine

4. Remove HDD from the bay.

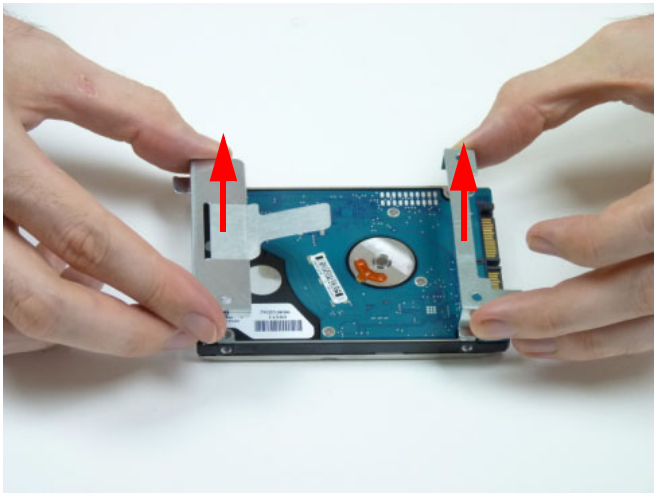


5. Remove the four (4) screws from the carrier.



Step	Size	Quantity	Screw Type
HDD Carrier Disassembly	M2.5*3.0 Ni	4	

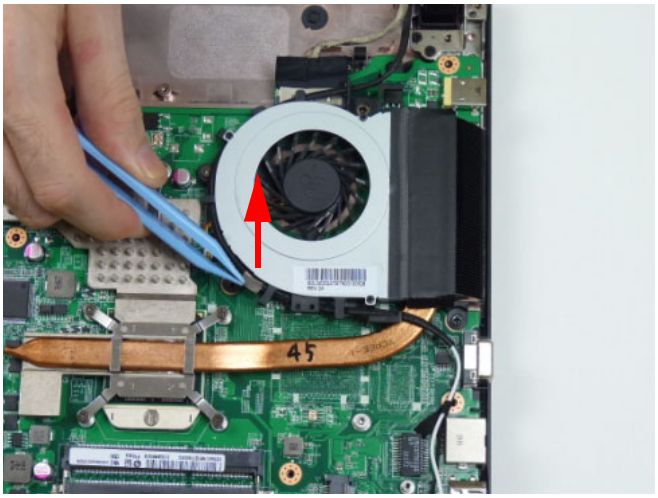
6. Remove the carrier from the HDD.



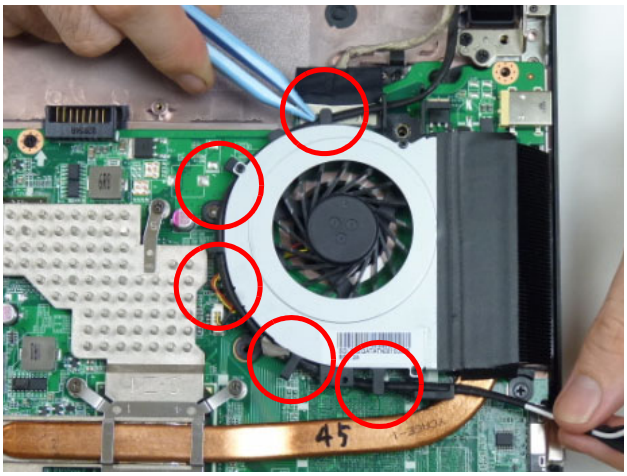
Downloaded from www.Manualslib.com manuals search engine

Removing the LCD Module

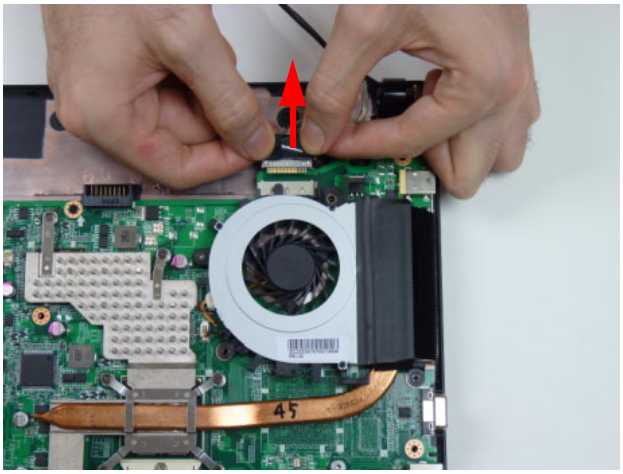
1. See “Removing the WLAN Module” on page 61.
2. Remove the adhesive ground wire from the fan housing.



3. Remove the WLAN antennas from the cable guides.

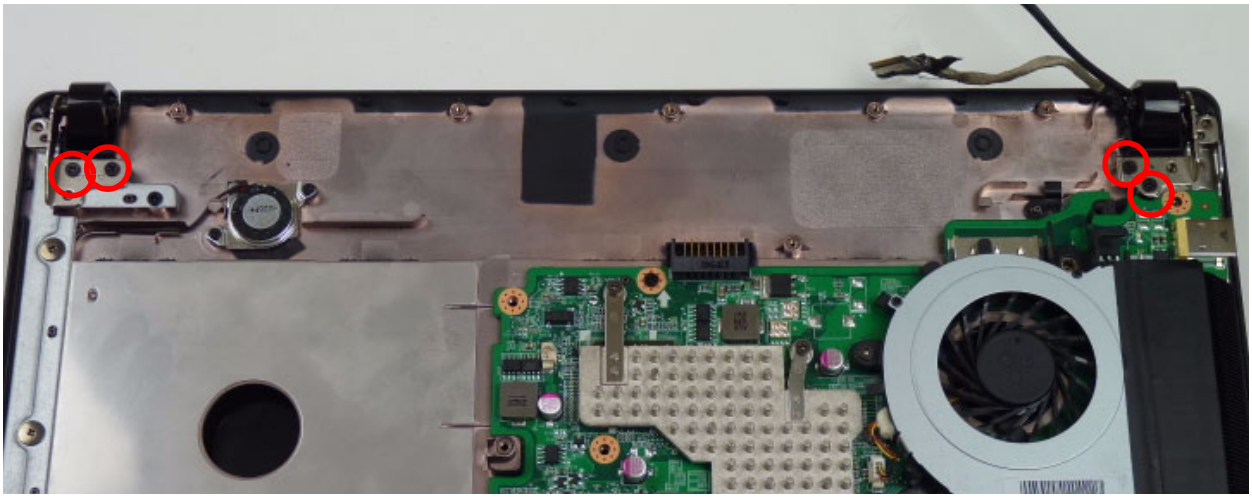


4. Unlock and disconnect the LVDS cable.



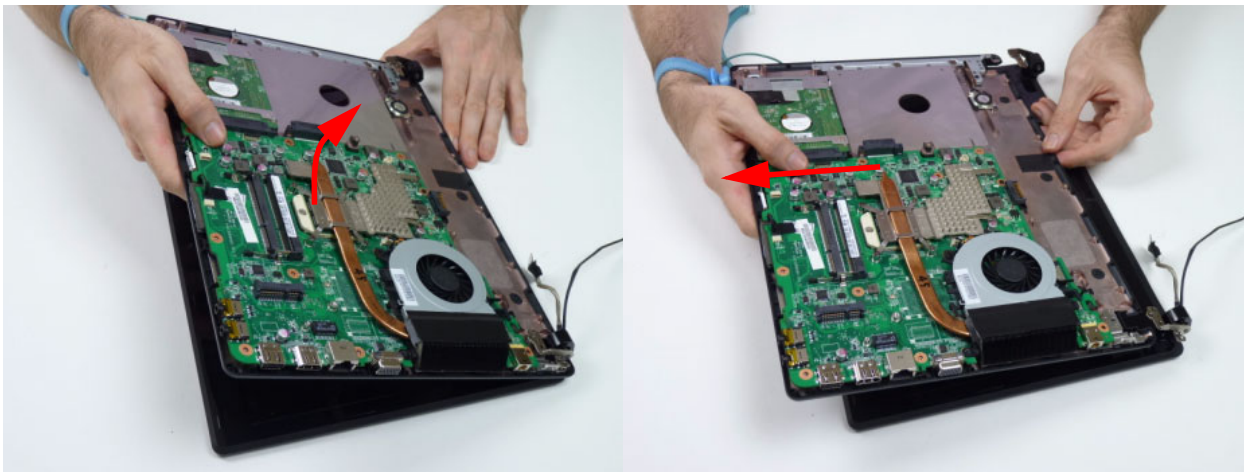
Downloaded from www.Manualslib.com manuals search engine

5. Remove the four (4) screws from the left and right hinges.



Step	Size	Quantity	Screw Type
LCD Module Disassembly	M2.5*6.0	4	

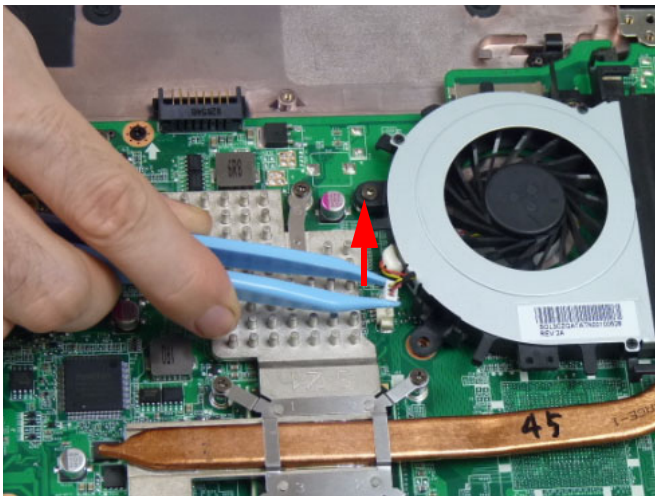
6. Tilt the upper cover upwards slightly and separate it from the LCD module.



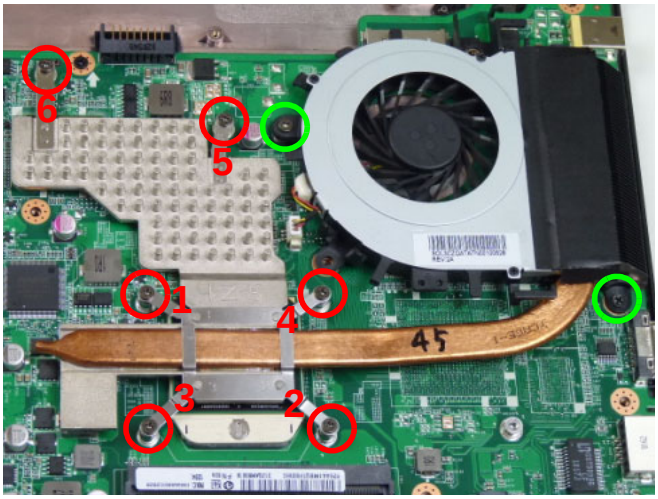
Downloaded from www.Manualslib.com manuals search engine

Removing the Thermal Module

1. See “Removing the LCD Module” on page 68.
2. Disconnect the fan cable as shown.



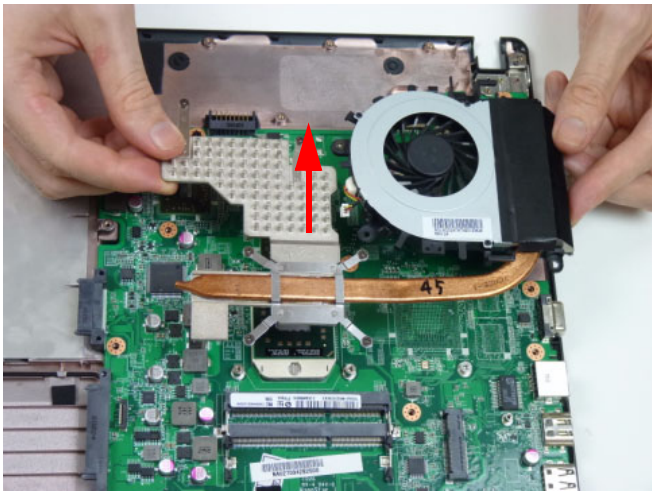
3. Loosen the six (6) captive screws (in numerical order from 1 to 6) and remove the two (2) screws from the fan module.



Step	Size	Quantity	Screw Type
Thermal Module Disassembly	M2.5*5.0 Ni (green callout)	2	

Downloaded from www.Manualslib.com manuals search engine

4. Carefully lift up the thermal module assembly and remove it from the mainboard.

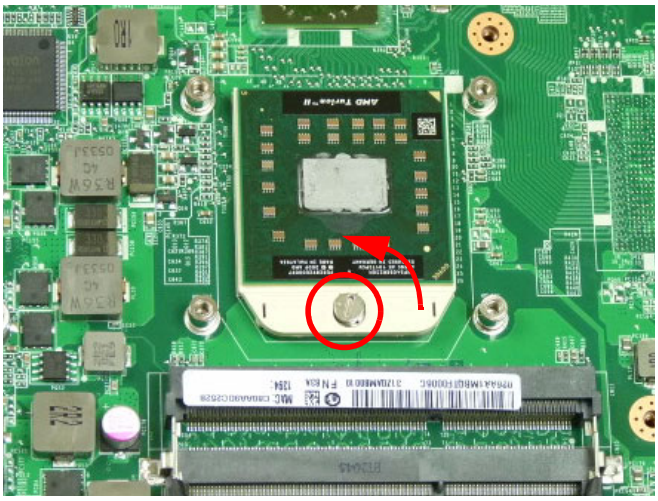


IMPORTANT: Place the thermal module on a clean, dry surface when it is not installed.

Downloaded from www.Manualslib.com manuals search engine

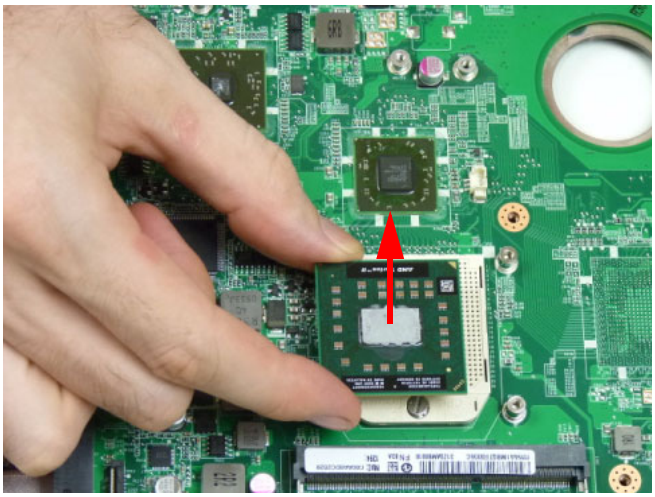
Removing the CPU

1. See “Removing the Thermal Module” on page 70.
2. Using a slotted screw driver, rotate the CPU locking screw 90° counter-clockwise as shown.



3. Carefully lift the CPU clear of the socket.

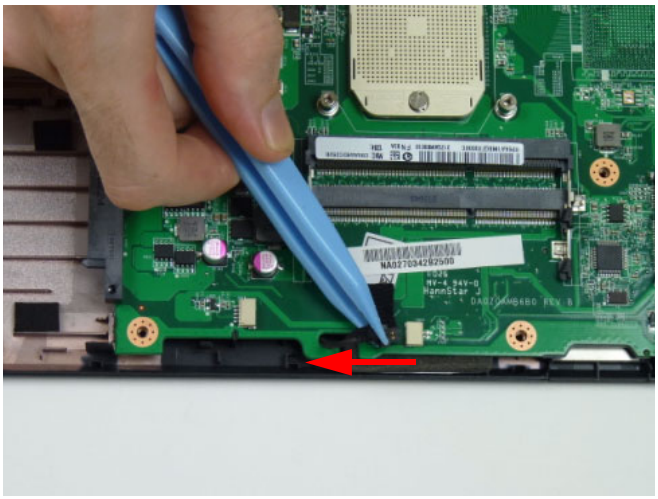
   IMPORTANT: Place the CPU on a clean, dry surface when it is not installed.



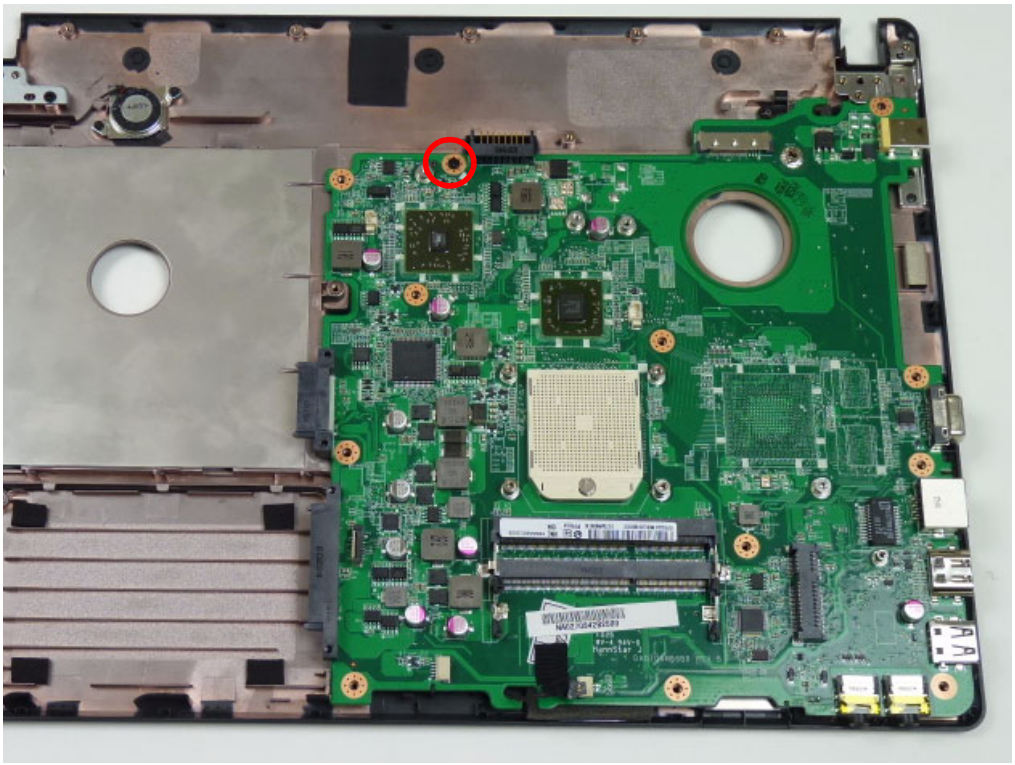
Downloaded from www.Manualslib.com manuals search engine

Removing the Mainboard

1. See “Removing the CPU” on page 72.
2. Disconnect the speaker cable from the mainboard connector.



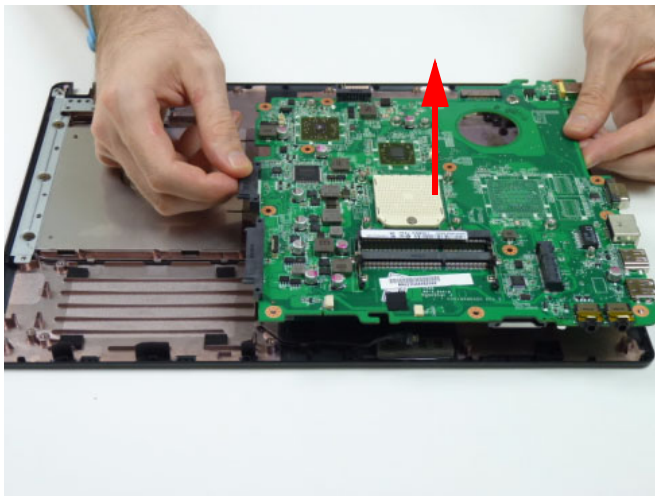
3. Remove the one (1) securing screw from the mainboard.



Step	Size	Quantity	Screw Type
Mainboard Disassembly	M2.5*5.0 Ni	2	

Downloaded from www.Manualslib.com manuals search engine

4. Lift the mainboard away the lower cover.

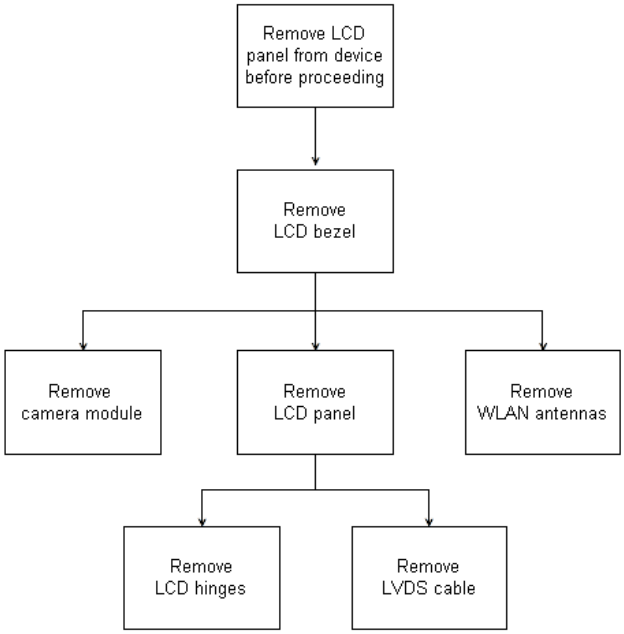


NOTE: The mainboard has been highlighted with a yellow callout in the previous image. Please detach the mainboard and follow local regulations for disposal.

Downloaded from www.Manualslib.com manuals search engine

LCD Module Disassembly Process

LCD Module Disassembly Flowchart



Screw List

Step	Screw	Quantity	Part No.
LCD Bezel Disassembly	M2.5*5-I	2	86.T23V7.010
LCD Panel Disassembly	M2.0*3.0-I	6	86.ARE07.002
LCD Hinge Disassembly	M2.5*4.0-I	6	86.R6Z07.001

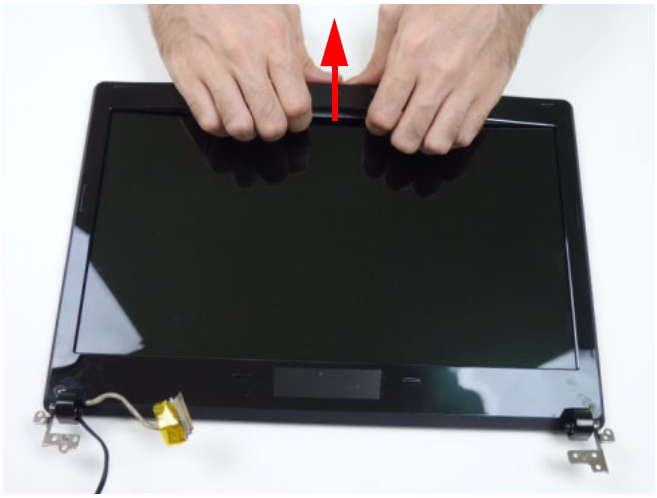
Downloaded from www.Manualslib.com manuals search engine

Removing the LCD Bezel

1. See “Removing the LCD Module” on page 68.
2. Remove the two (2) bezel screws from the LCD module.

Step	Size	Quantity	Screw Type
LCD Bezel Disassembly	M2.5*2.0	2	

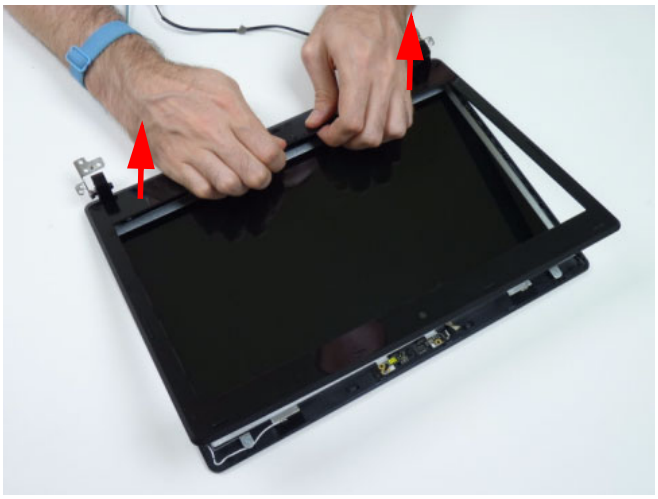
3. Pry the bezel upwards at the top of the LCD module releasing it from the latches.



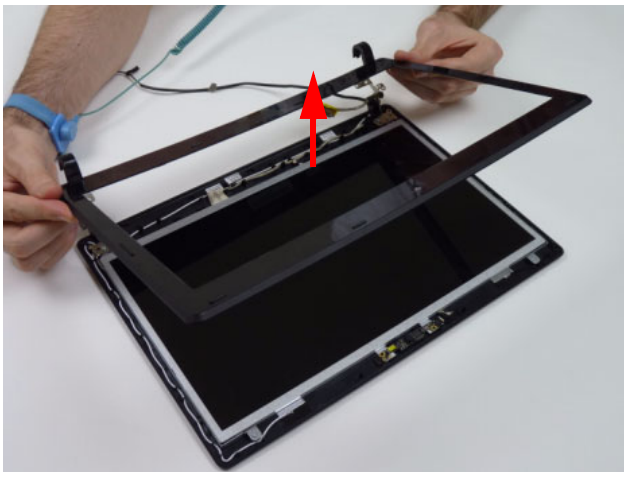
Downloaded from www.Manualslib.com manuals search engine

4. Continue separating the latches along the sides of the bezel towards the hinges.

5. Release the latches at the bottom of the LCD bezel.



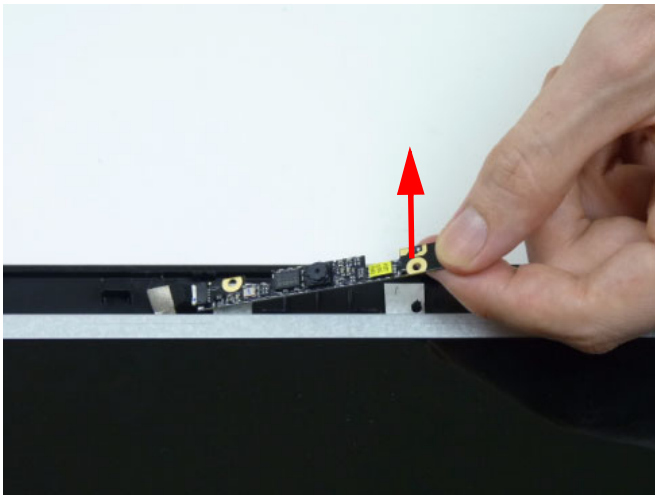
6. Lift the Bezel clear of the LCD module.



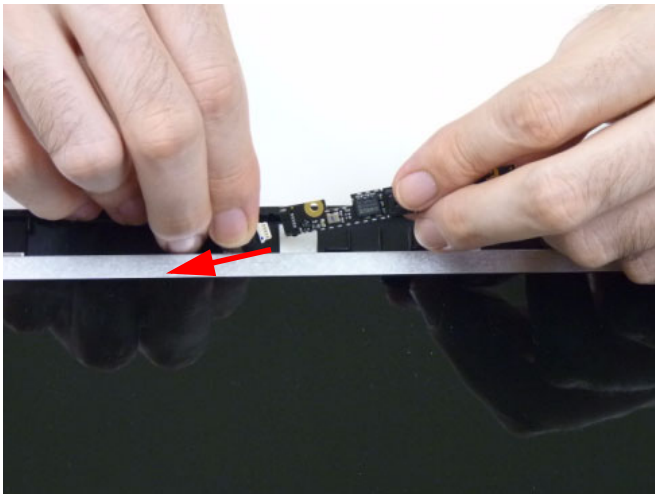
Downloaded from www.Manualslib.com manuals search engine

Removing the Camera Module

1. See “Removing the LCD Bezel” on page 76.
2. Lift the camera module from the LCD cover.



3. Disconnect the cable as shown.

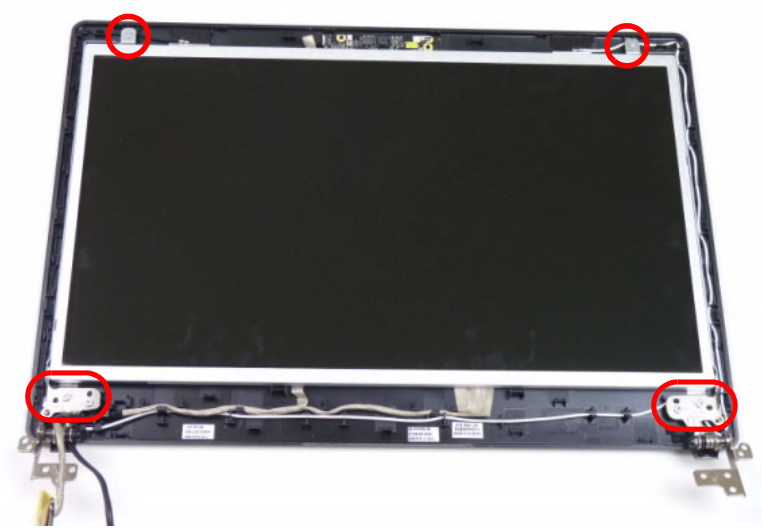


NOTE: Take care not to damage the cable.

Downloaded from www.Manualslib.com manuals search engine

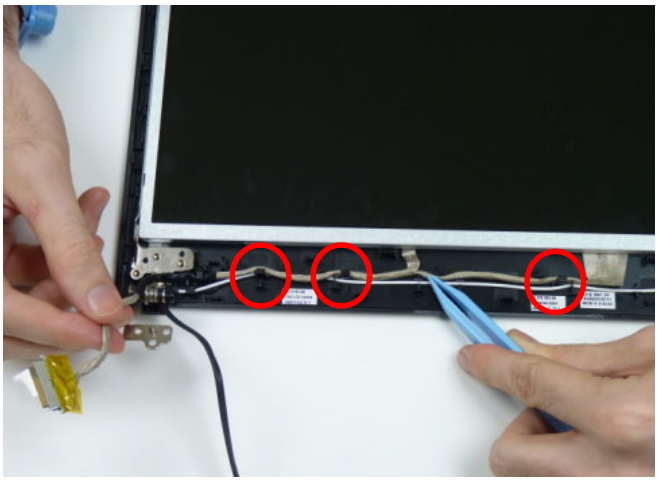
Removing the LCD Panel

1. See “Removing the LCD Bezel” on page 76.
2. Remove the six (6) securing screws from the LCD panel.



Step	Size	Quantity	Screw Type
LCD Panel Disassembly	M2.0*3.0	6	

3. Remove the LVDS cable from the cable guides.



Downloaded from www.Manualslib.com manuals search engine

4. Lift the LCD panel clear of the LCD cover as shown.

Remove the LCD Hinges

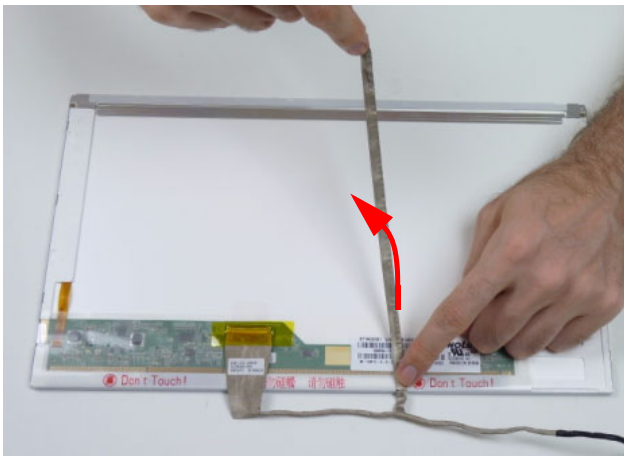
1. See “Removing the LCD Panel” on page 79.
2. Remove the four (4) screws, 2 on each side. Separate the hinges from the LCD panel.

Step	Size	Quantity	Screw Type
LCD Hinge Disassembly	M2*2.0	4	

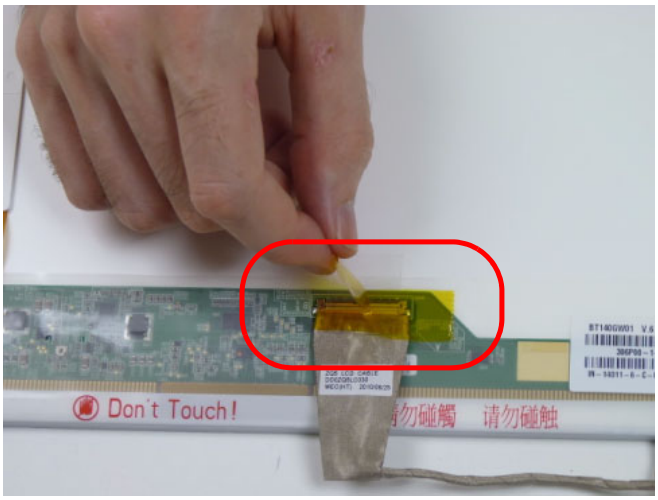
Downloaded from www.Manualslib.com manuals search engine

Removing the LVDS Cable

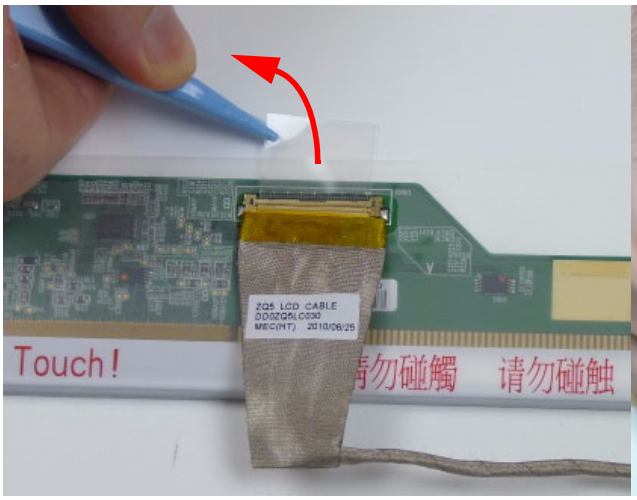
1. See “Removing the LCD Panel” on page 79.
2. Detach the camera cable from the back of the LCD panel.

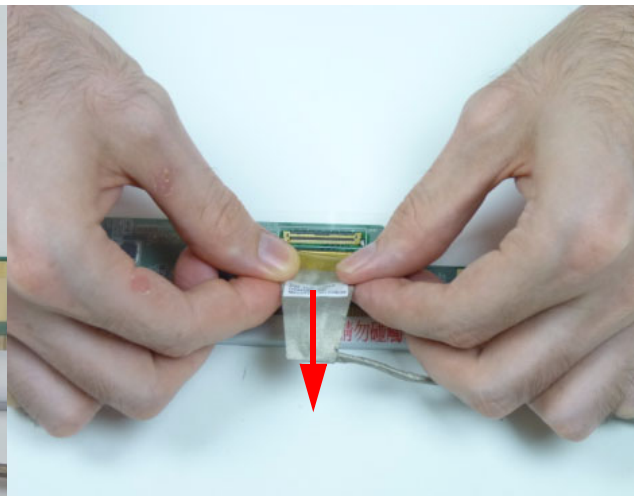


3. Remove the yellow tape securing the LVDS cable.



4. Starting from the top, remove the clear mylar covering and disconnect the LVDS cable from the LCD panel.

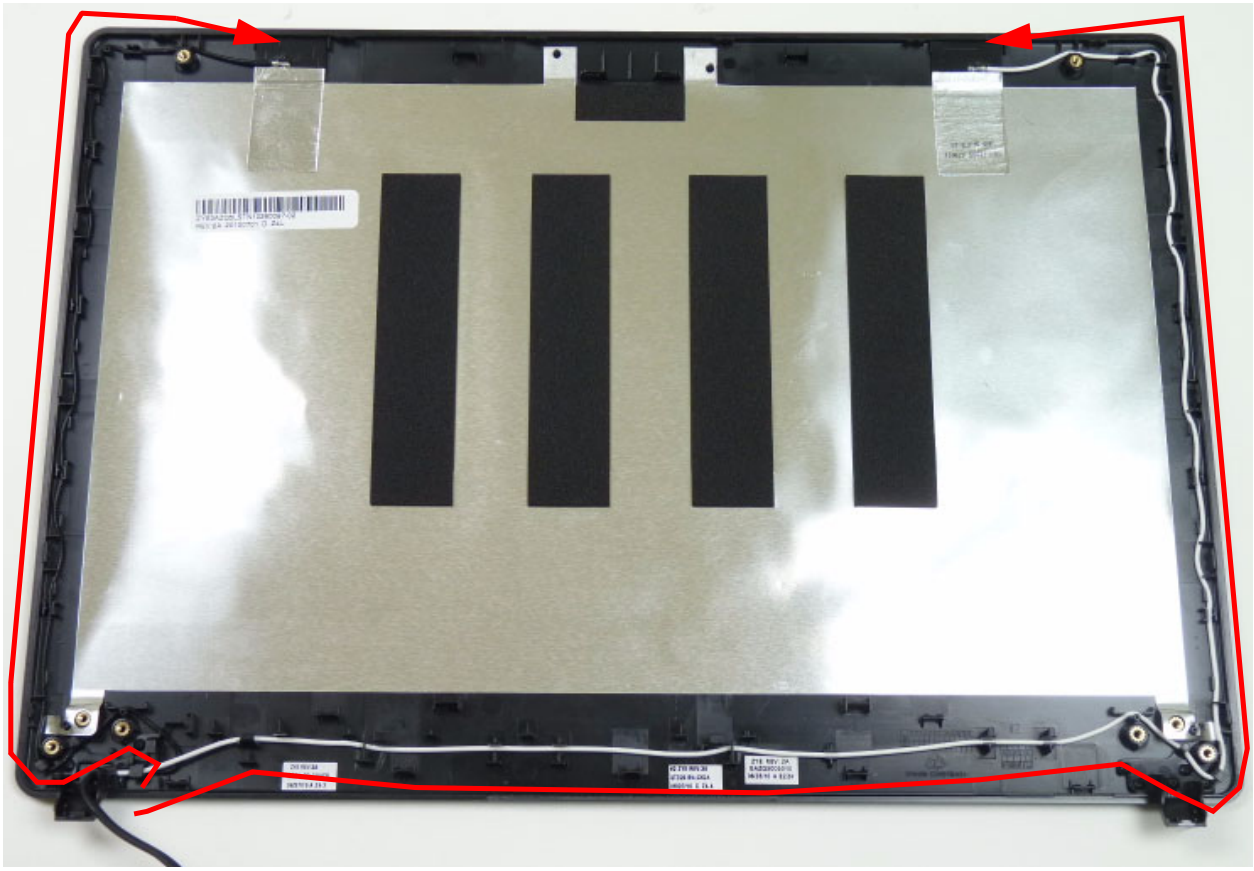




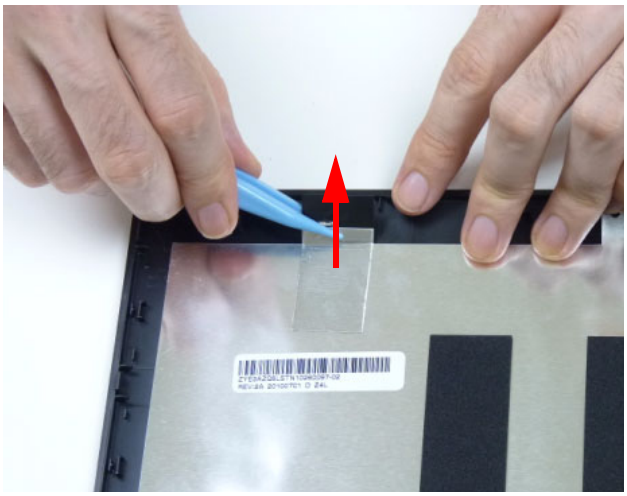
Downloaded from www.Manualslib.com manuals search engine

Removing the WLAN Antennas

1. See “Removing the LCD Panel” on page 79.
2. Remove the black and white WLAN antennas from the cable guides.



3. Remove the black antenna cable from the LCD cover. Repeat for the white antenna.

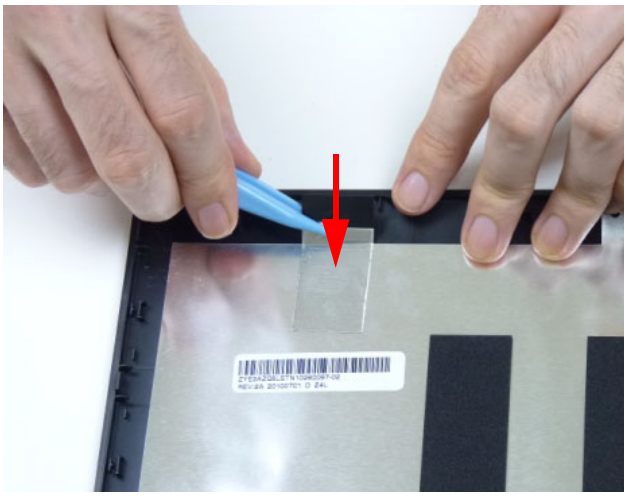


Downloaded from www.Manualslib.com manuals search engine

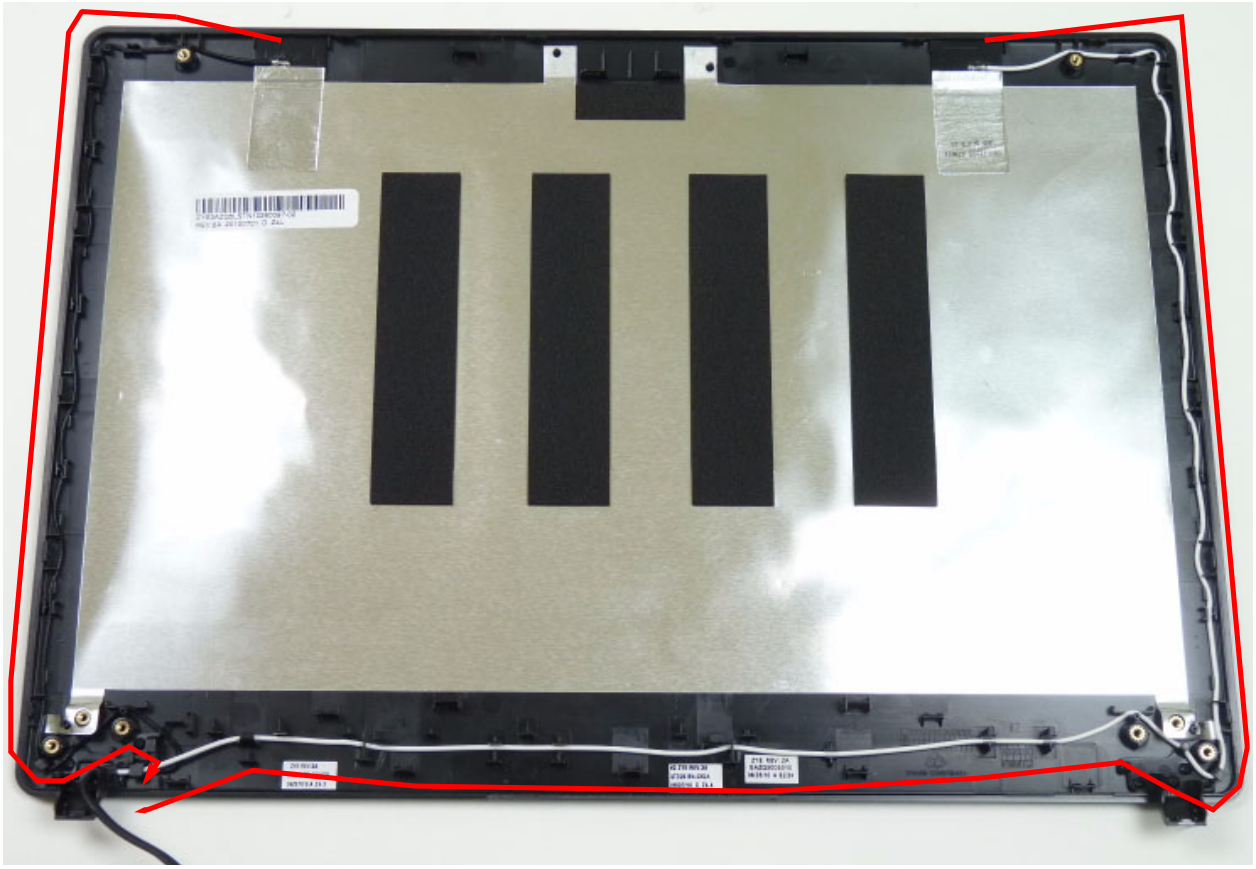
LCD Module Assembly Process

Replacing the WLAN Antennas

1. Place the black antenna cable onto the LCD cover as shown. Repeat for the white antenna.



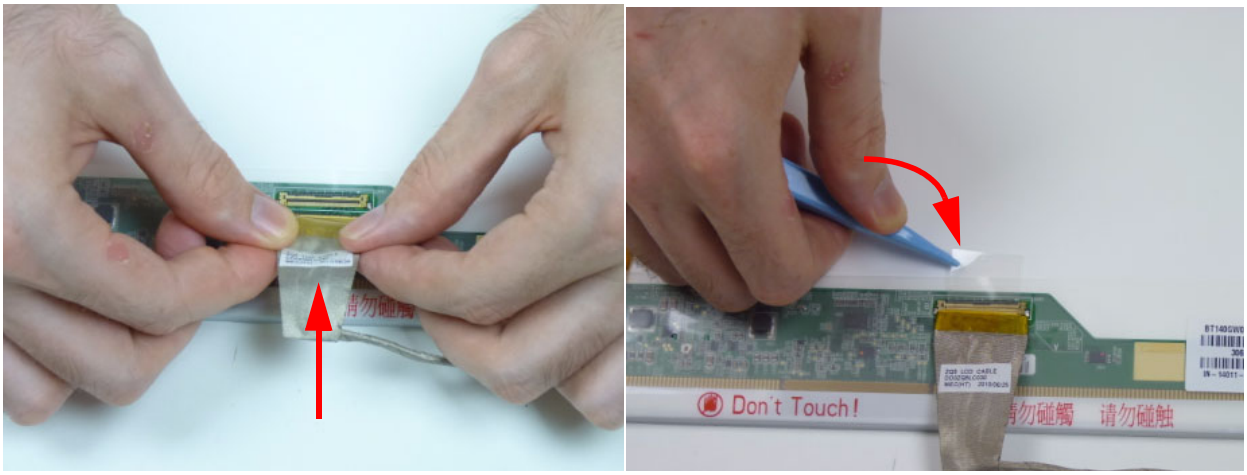
2. Place the black and white WLAN antennas into the cable guides as shown.



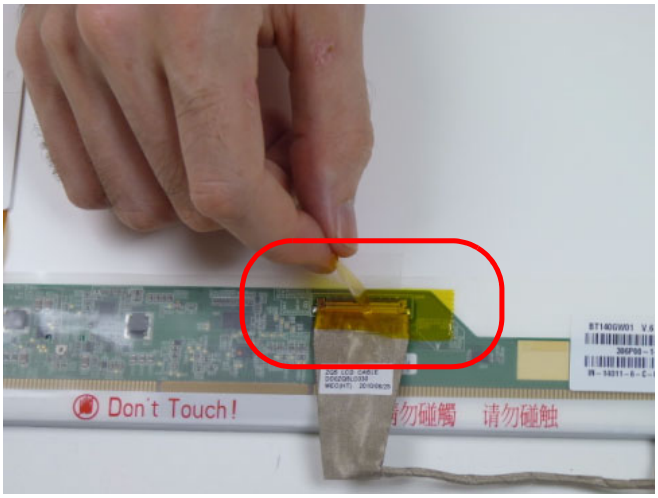
Downloaded from www.Manualslib.com manuals search engine

Replacing the LVDS Cable

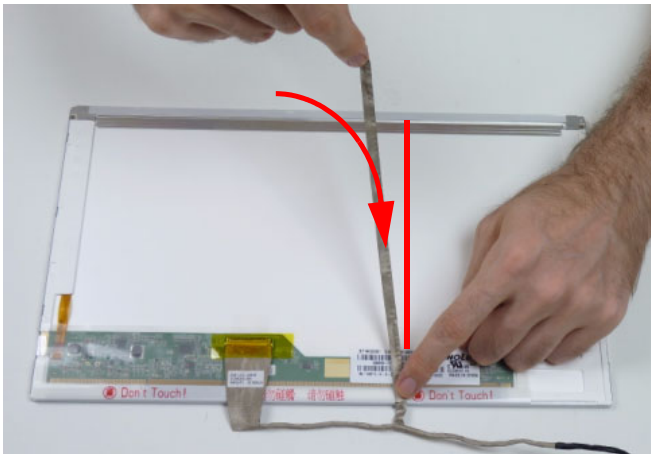
1. Turn the LCD panel face down on a non-abrasive, clean surface. Ensure the panel face does not get damaged. Connect the LVDS cable to the LCD panel. Place the clear mylar tape over the connector and press firmly.



2. Replace the yellow adhesive tape to secure the LVDS cable.



3. Adhere the camera cable to the LCD panel.



NOTE: Ensure the camera cable is placed as shown to prevent damage to the camera.

Downloaded from www.Manualslib.com manuals search engine

Replacing the LCD Hinges

1. See “Removing the LCD Panel” on page 79.
2. Replace the four (4) screws, 2 on each side to secure the hinges.

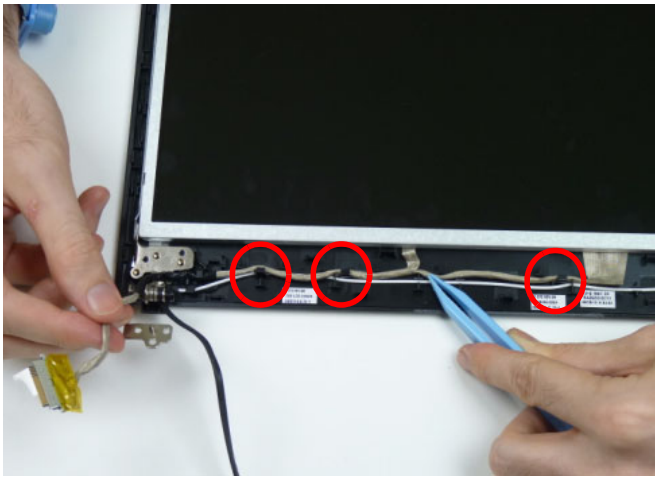
Step	Size	Quantity	Screw Type
LCD Hinge Disassembly	M2*2.0	4	

Downloaded from www.Manualslib.com manuals search engine

Removing the LCD Panel

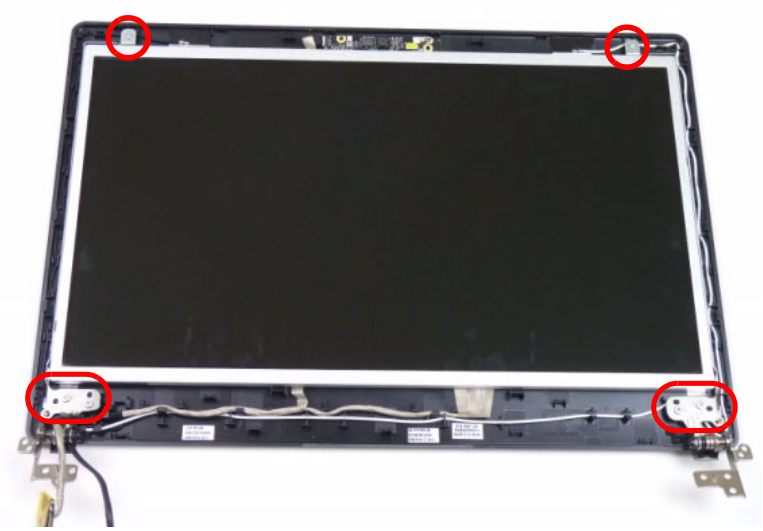
1. Place the LCD panel on the LCD cover as shown.

2. Place the LVDS cable into the cable guides.



Downloaded from www.Manualslib.com manuals search engine

3. Replace the six (6) securing screws to secure the LCD panel.

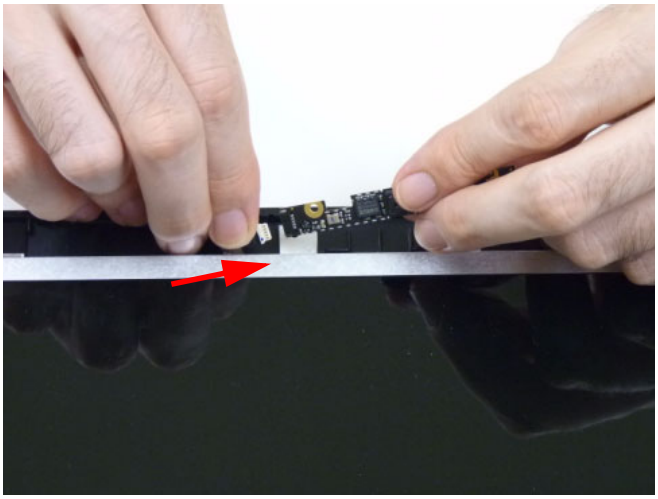


Step	Size	Quantity	Screw Type
LCD Panel Disassembly	M2.0*3.0	6	

Downloaded from www.Manualslib.com manuals search engine

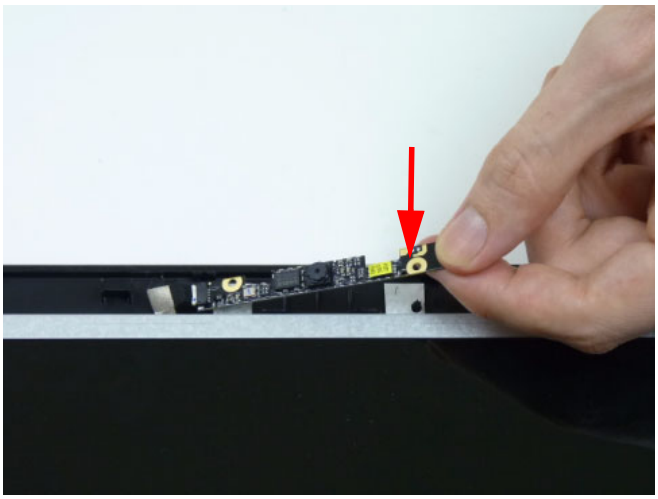
Replacing the Camera Module

1. Connect the camera cable as shown.



NOTE: Take care not to damage the cable.

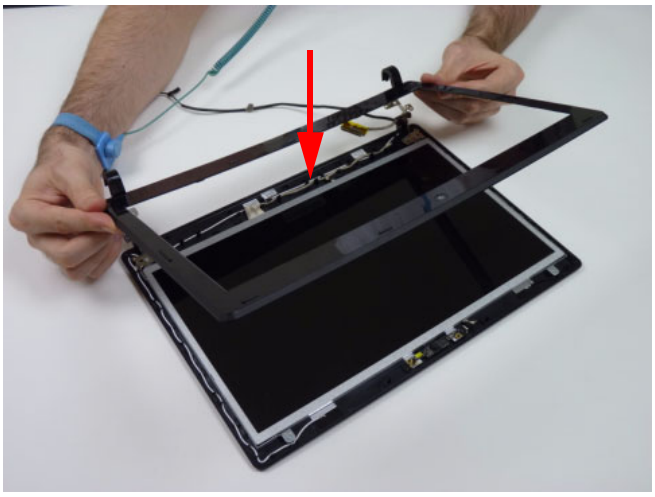
2. Place the camera module onto the LCD cover. Apply gentle pressure to fix the adhesive.



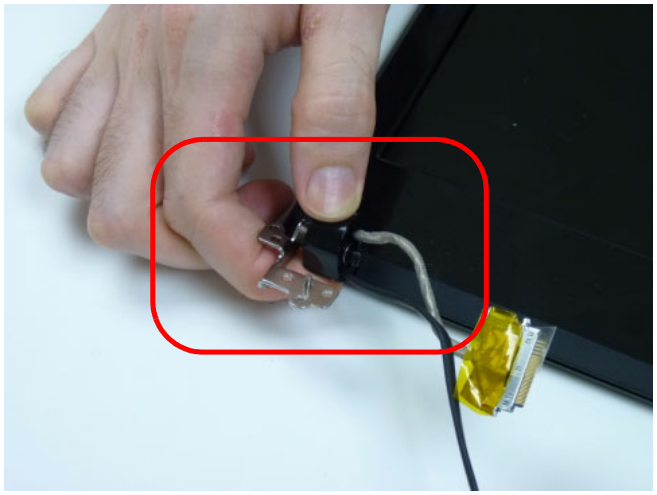
Downloaded from www.Manualslib.com manuals search engine

Replacing the LCD Bezel

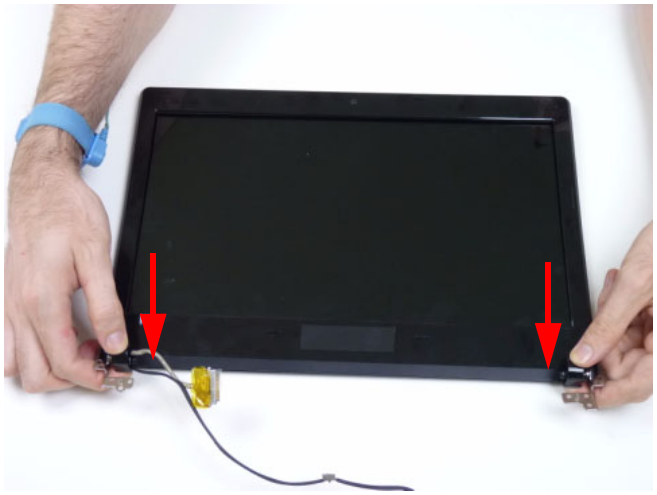
1. Place the bezel hinge covers over the hinges.



2. Ensure the LVDS and WLAN antenna cable bundle are exiting the left hinge as shown.

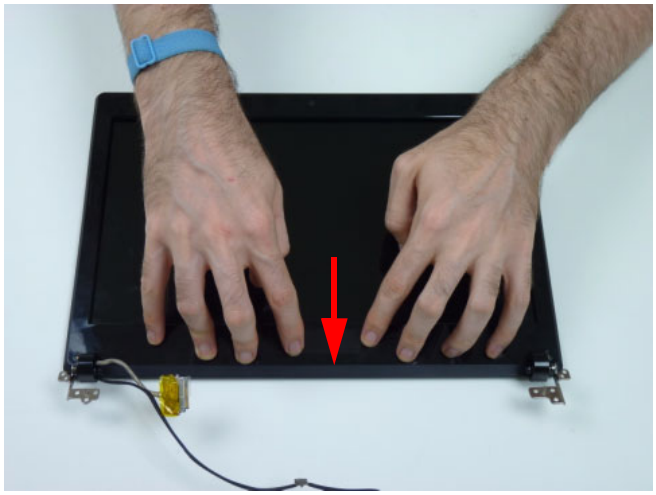


3. Apply pressure to snap the latches together.

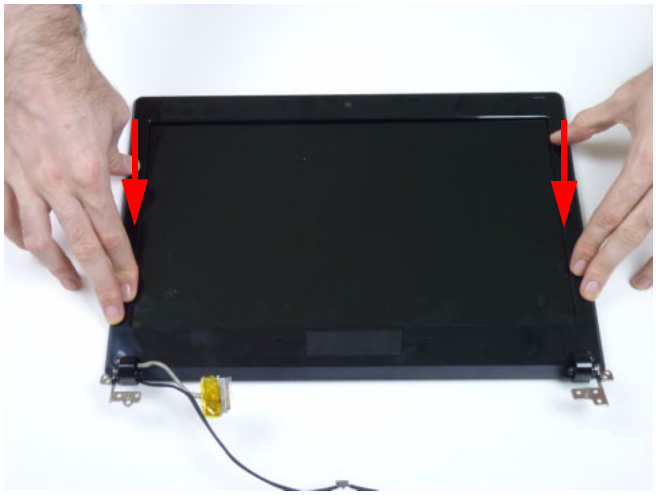


Downloaded from www.Manualslib.com manuals search engine

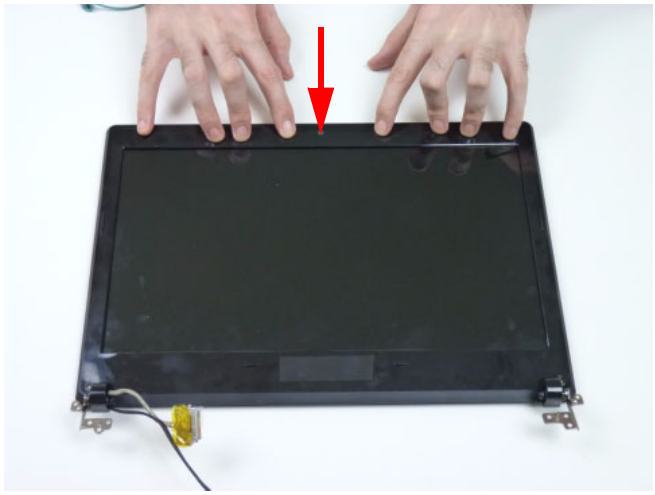
4. Apply pressure along the bottom of the bezel to attach the latches.



5. Apply pressure along the sides of the bezel to attach the latches.



6. Apply pressure along the top of the bezel to attach the latches.



Downloaded from www.Manualslib.com manuals search engine

7. Replace the two (2) bezel screws.

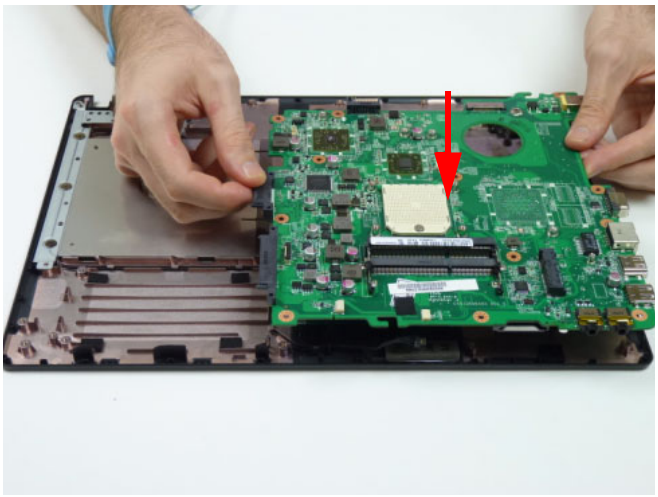
Step	Size	Quantity	Screw Type
LCD Bezel Disassembly	M2.5*2.0	2	

Downloaded from www.Manualslib.com manuals search engine

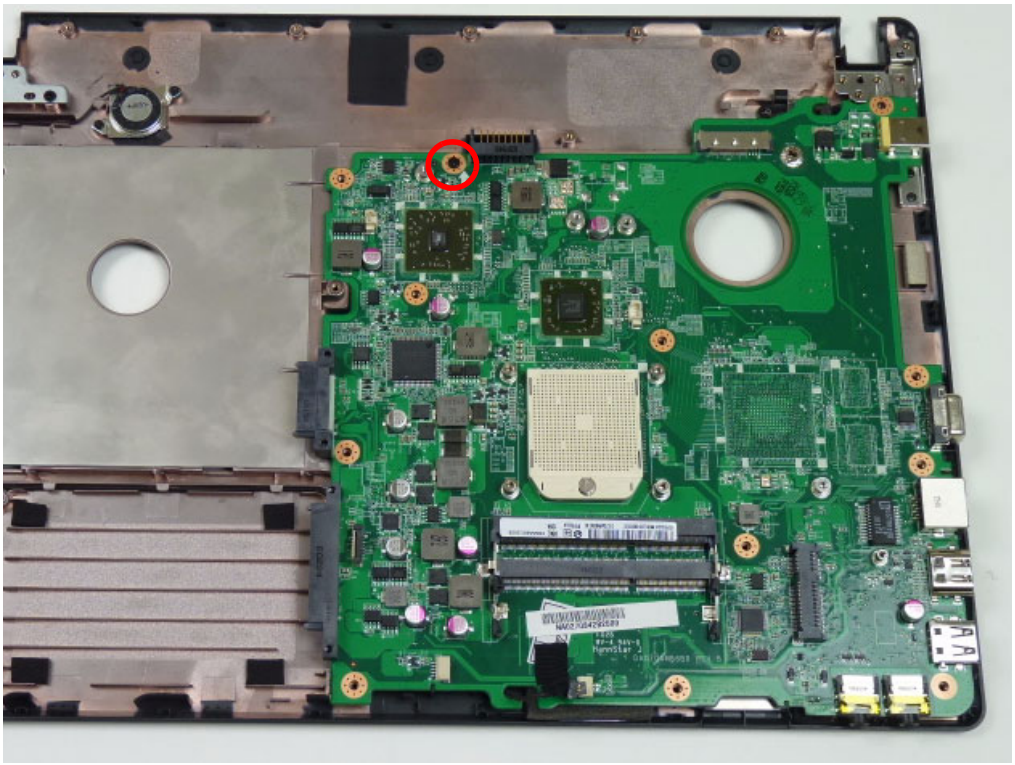
Main Unit Assembly Process

Replacing the Mainboard

1. Place the mainboard onto the upper cover as shown.



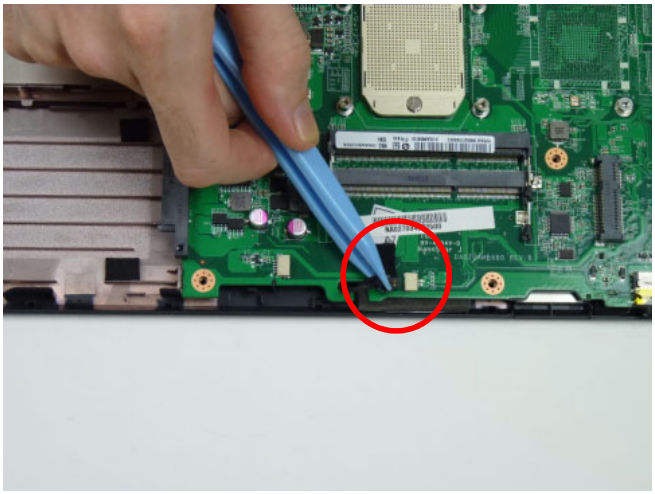
2. Replace the one (1) screw to secure the mainboard to the upper cover.



Step	Size	Quantity	Screw Type
Mainboard Disassembly	M2.5*5.0 Ni	2	

Downloaded from www.Manualslib.com manuals search engine

3. Connect the speaker cable to the mainboard.

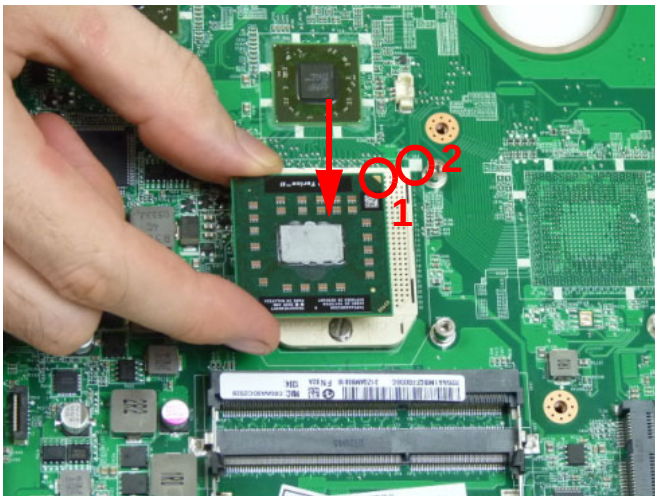


Downloaded from www.Manualslib.com manuals search engine

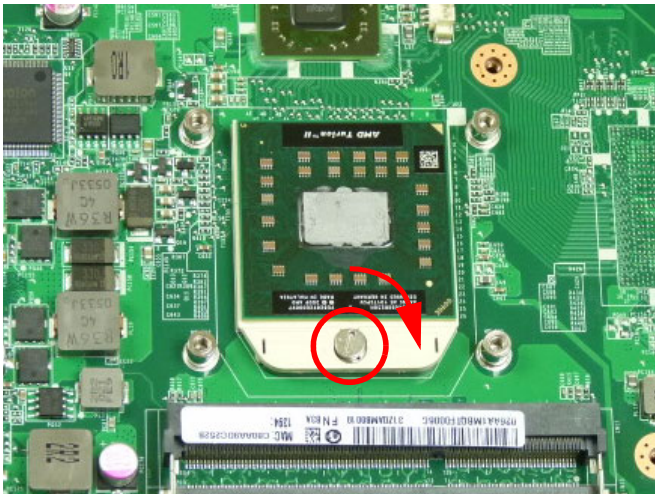
Replacing the CPU

IMPORTANT: The CPU has a Pin1 locator (1) that must be positioned corresponding to the marker (2) on the CPU socket.

1. Place the CPU into the CPU socket as shown, taking note of the Pin1 locator.



2. Using a slotted screw driver, rotate the CPU locking screw 90° clockwise as shown to secure it in the package.



Downloaded from www.Manualslib.com manuals search engine

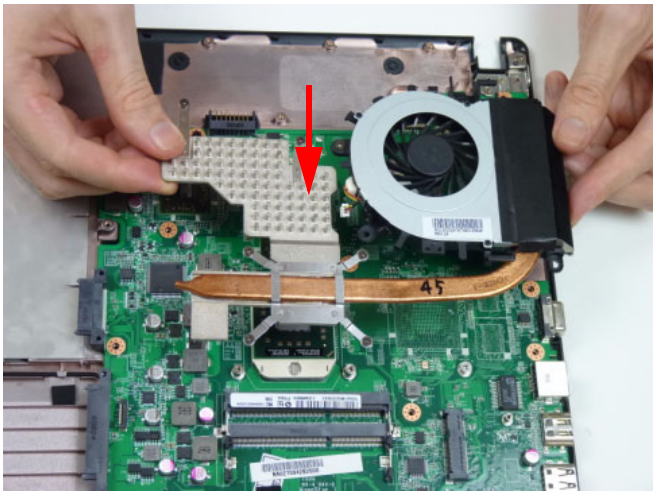
Replacing the Thermal Module

IMPORTANT: Apply suitable thermal pads before replacing the thermal module

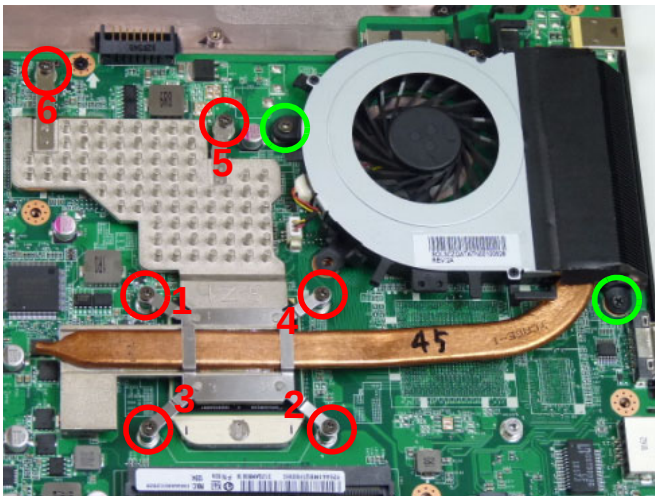
The following thermal materials are approved for use:

- Thermal grease compound
  - Eapus PSX-D
- Thermal pad
  - Denka FSL-BS B6

1. Remove all traces of thermal material from the CPU and thermal module using a lint-free cloth or cotton swab and Isopropyl Alcohol, Acetone, or other approved cleaning agent.
2. Apply a new thermal pad or grease to the center of the processor(s) coming into contact with the thermal module.
3. Align the screw holes on the thermal module to the screw posts on the mainboard, then replace the module. Keep the module as level as possible when replacing.



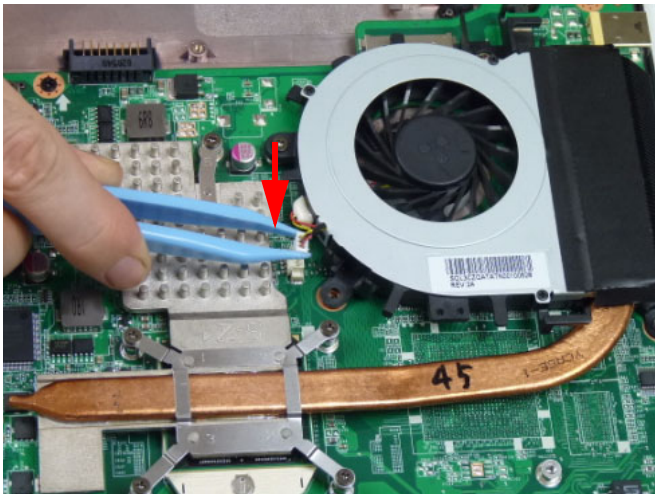
4. Tighten the five (5) captive screws (in numerical order from 1 to 5) and replace the one (1) screw to secure the CPU thermal module.



Step	Size	Quantity	Screw Type
Thermal Module Disassembly	M2.5*5.0 Ni (green callout)	2	

Downloaded from www.Manualslib.com manuals search engine

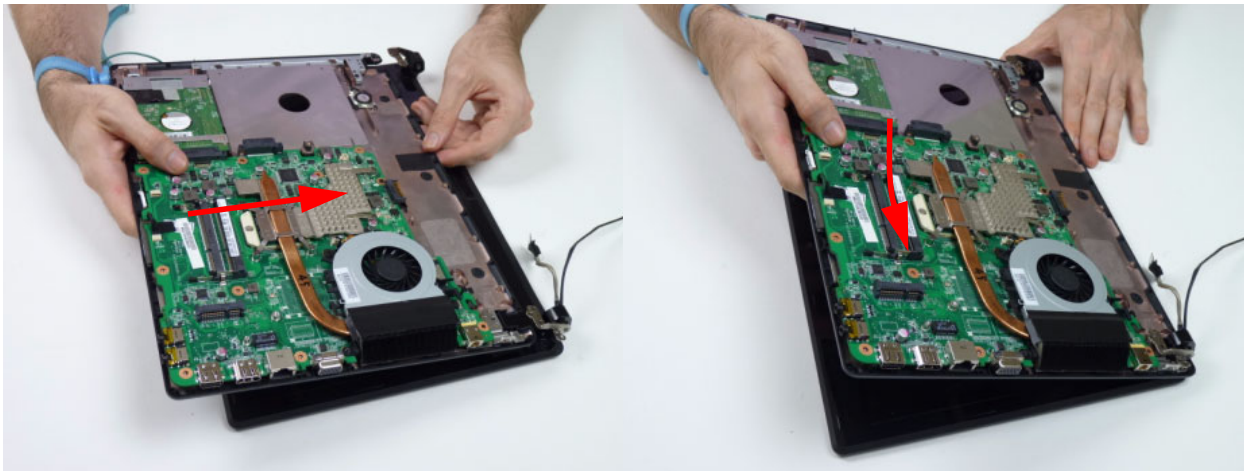
5. Connect the fan cable as shown.



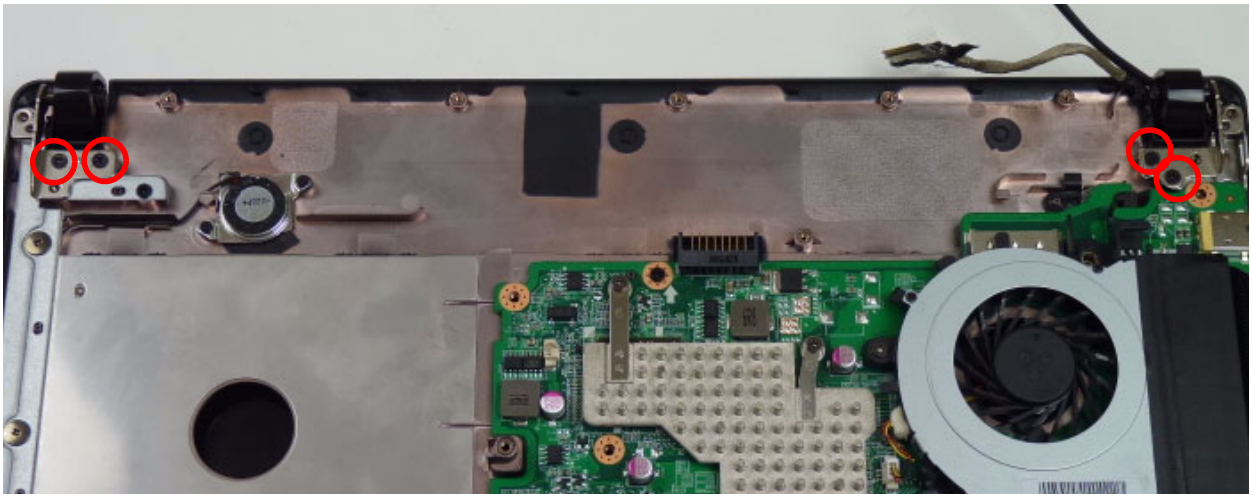
Downloaded from www.Manualslib.com manuals search engine

Replacing the LCD Module

1. Place the upper cover onto the LCD module and lower into place. Lower the hinges so they are flush with the hinge plates on the upper cover.



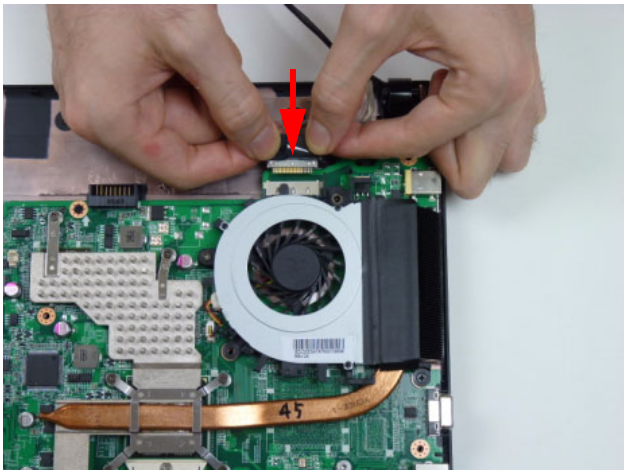
2. Replace the four (4) screws to secure the left and right hinges.



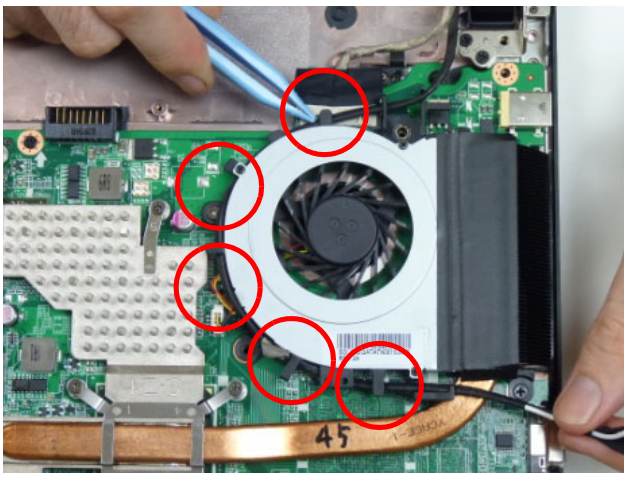
Step	Size	Quantity	Screw Type
LCD Module Disassembly	M2.5*6.0	4	

Downloaded from www.Manualslib.com manuals search engine

3. Connect and lock the LVDS cable.

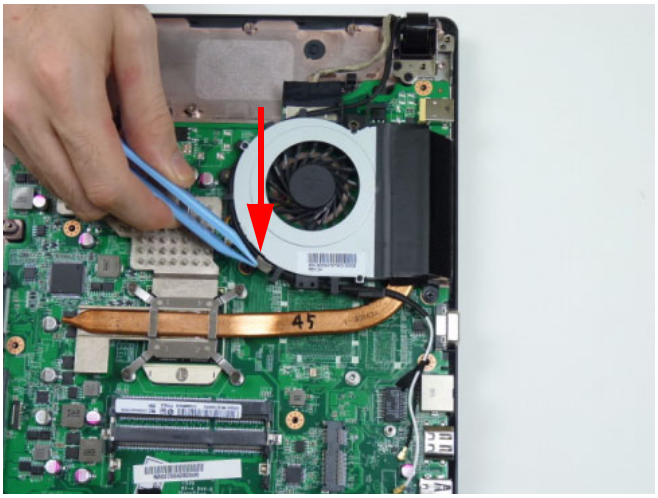


4. Place the WLAN antenna bundle into the cable guides around the fan module.



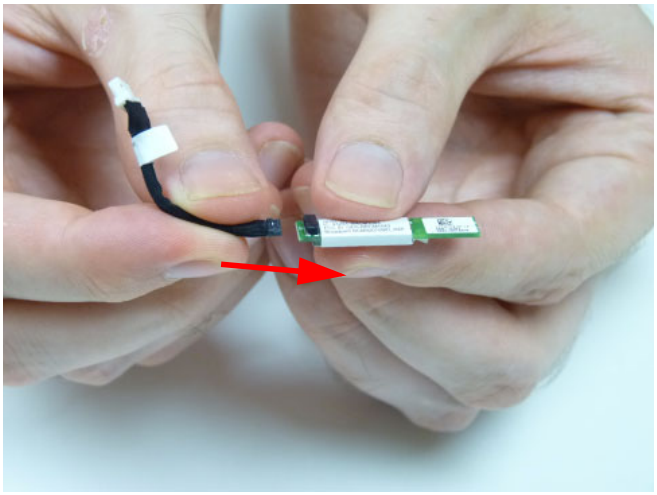
Downloaded from www.Manualslib.com manuals search engine

5. Place the adhesive ground wire attached to the WLAN antenna cable bundle onto the fan housing.



Replacing the Bluetooth Module

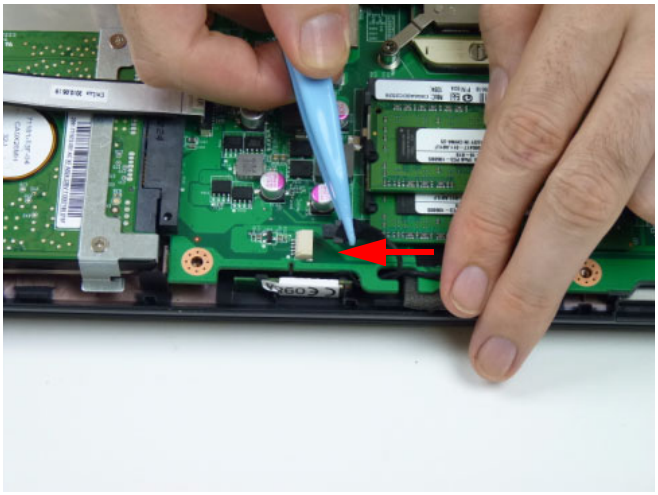
1. Connect the Bluetooth cable to the Bluetooth board.



2. Place the connector edge of Bluetooth board into the guides as shown and then place the other end down onto the upper cover.

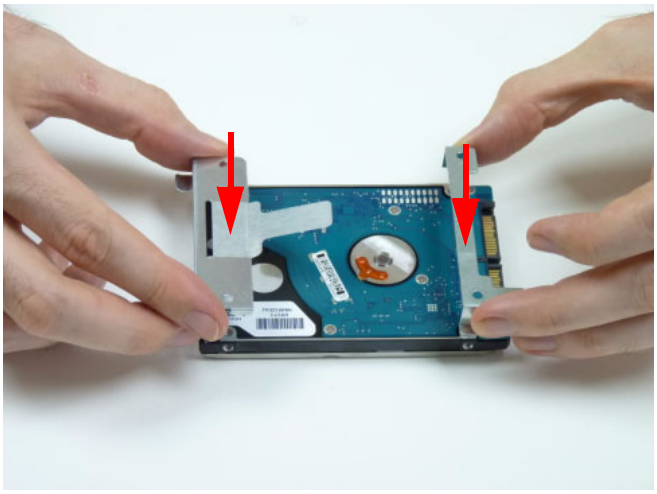
Downloaded from www.Manualslib.com manuals search engine

3. Connect the Bluetooth cable to the mainboard connector.



Replacing the HDD Module

1. Place the carrier onto the HDD.

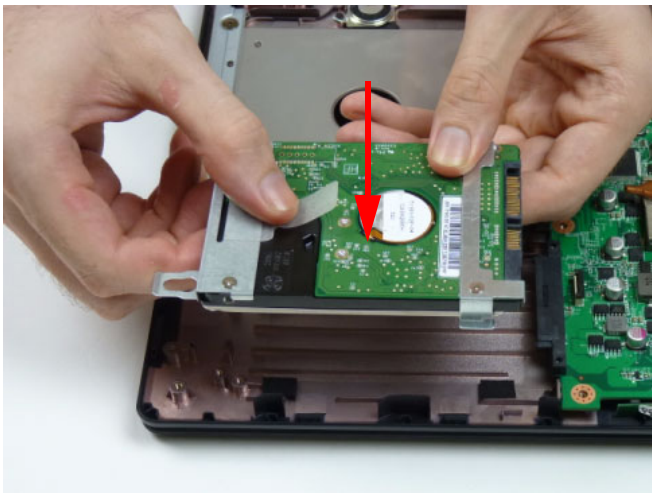


Downloaded from www.Manualslib.com manuals search engine

2. Replace the four (4) screws to secure the HDD carrier.

Step	Size	Quantity	Screw Type
HDD Carrier Disassembly	M2.5*3.0 Ni	4	

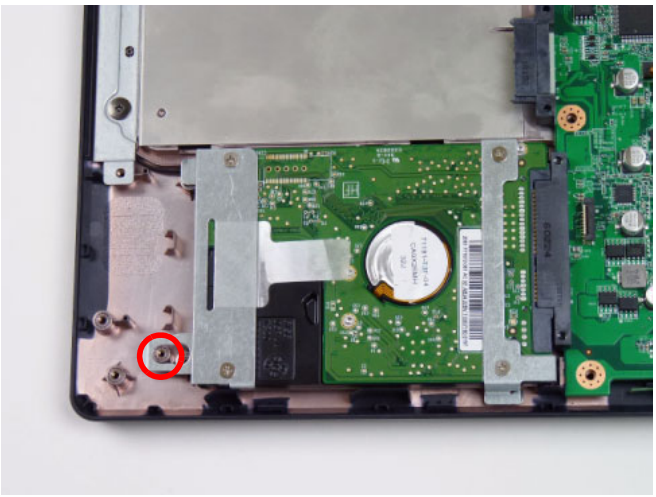
3. Place HDD in the HDD bay.



4. Using the pull-tab, slide the HDD module in the direction of the arrow to connect the interface.

5. Replace the one (1) screw to secure the HDD module to the upper cover.

Downloaded from www.Manualslib.com manuals search engine

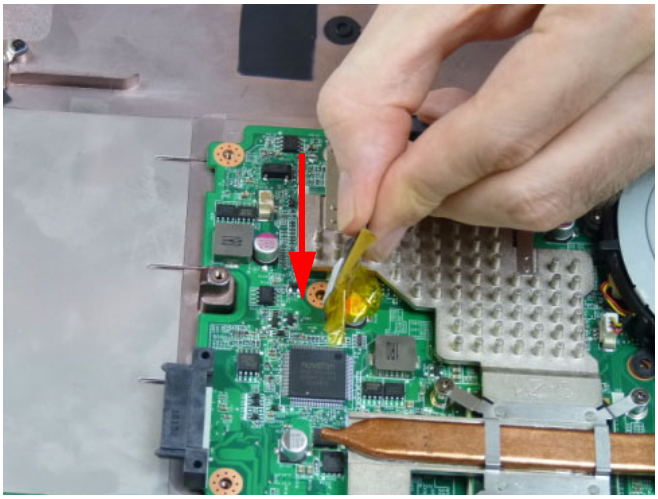


Step	Size	Quantity	Screw Type
HDD Module	M2.5*3.0 Ni	2	

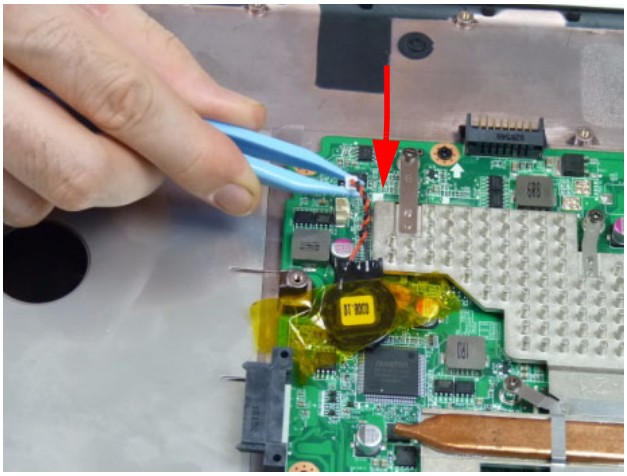
Downloaded from www.Manualslib.com manuals search engine

Removing the RTC Battery

1. Place the RTC battery onto the mainboard.



2. Connect the RTC battery cable to the mainboard connector.



Downloaded from www.Manualslib.com manuals search engine

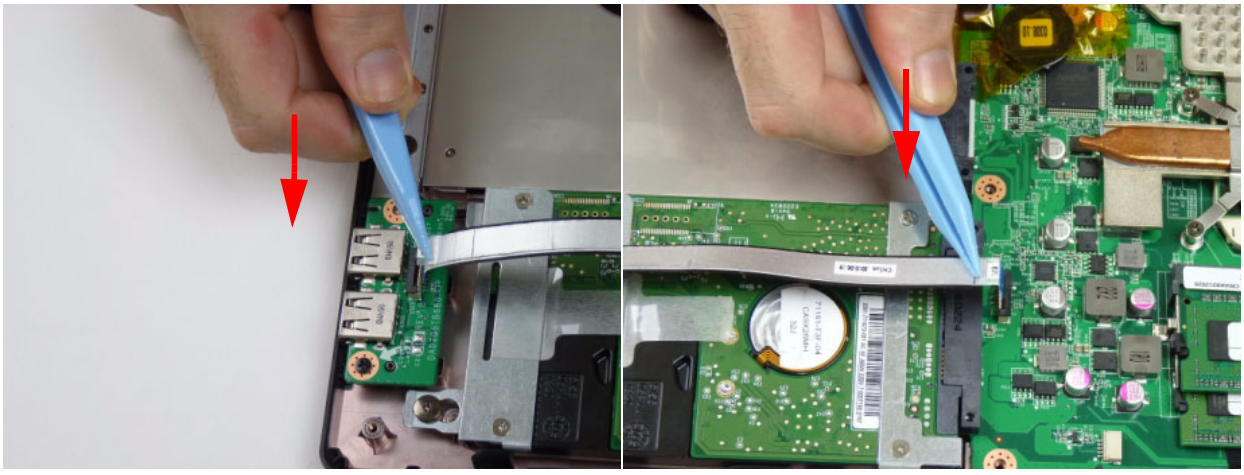
Replacing the USB Board

1. Place the USB board onto the chassis.

2. Replace one (1) screw to secure the USB board.

Step	Size	Quantity	Screw Type
USB Board Disassembly	M2.0*2.0	1	

3. Connect and lock the USB FFC to the USB board and mainboard connectors.

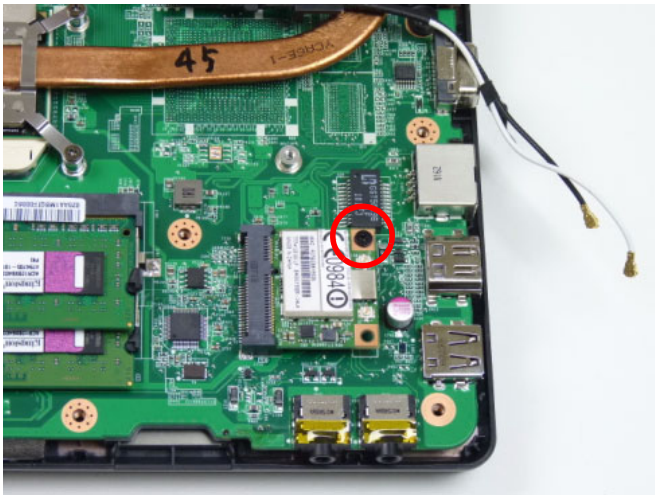


Downloaded from www.Manualslib.com manuals search engine

Replacing the WLAN Module

1. Insert the WLAN board into the WLAN socket.

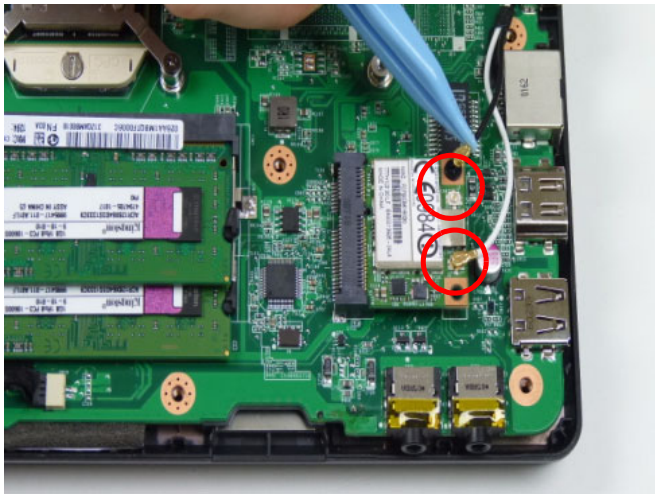
2. Replace the one (1) screw.



Step	Size	Quantity	Screw Type
WLAN Board Disassembly	M2.0*3.0	1	

Downloaded from www.Manualslib.com manuals search engine

3. Connect the two (2) antenna cables to the WLAN board as shown.

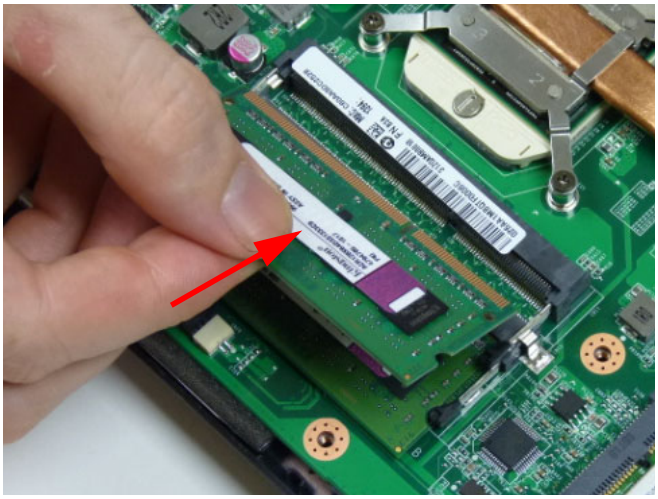


NOTE: Cable placement is as follows: black (Main) to connector J1, white (AUX) to connector J2.

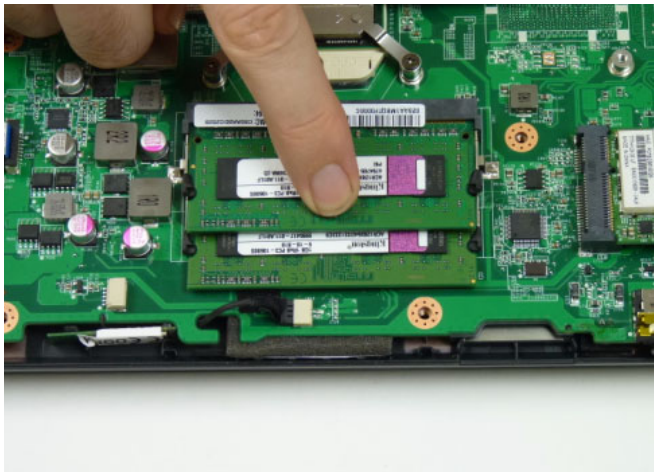
Downloaded from www.Manualslib.com manuals search engine

Replacing the DIMM Modules

1. Insert the DIMM module into the DIMM connector.



2. Press down to lock the DIMM module in place.



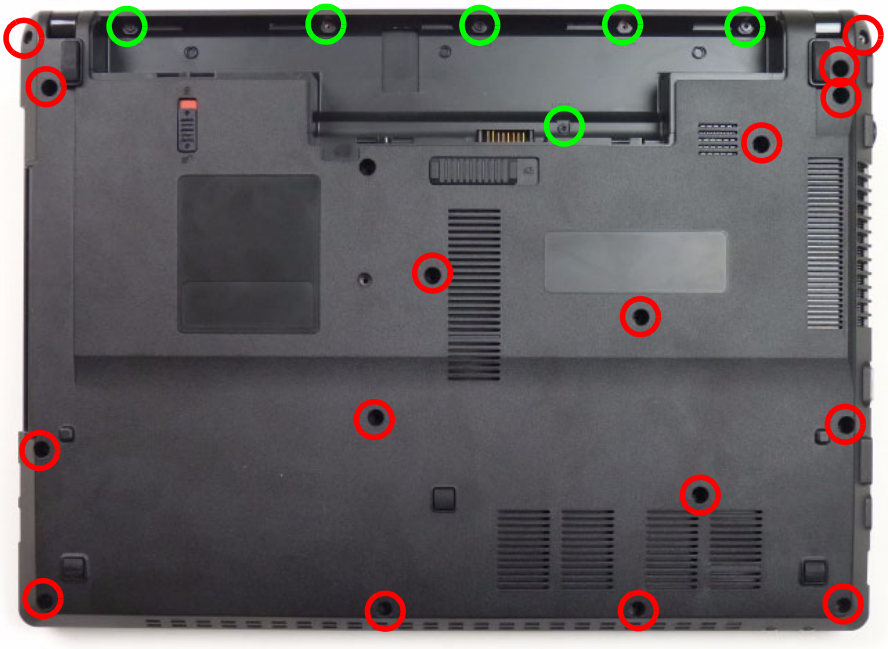
3. Repeat steps 1 and 2 for the second DIMM module if present.

Downloaded from www.Manualslib.com manuals search engine

Replacing the Lower Cover

1. Place the lower cover onto the device.

2. Replace the twenty two (22) screws to secure the lower cover to the device.



Step	Size	Quantity	Screw Type
Lower Cover (red callout)	M2.0*6.0	16	
Battery Bay (green callout)	M2.0*3.0	6	

Downloaded from www.Manualslib.com manuals search engine

External Module Assembly Process

Replacing the ODD Module

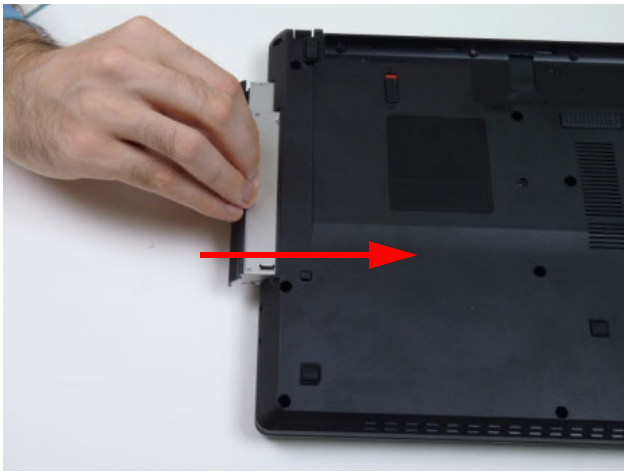
1. Place the ODD bracket onto the ODD module and replace the two (2) screws to secure it.

Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.0*3.0	2	

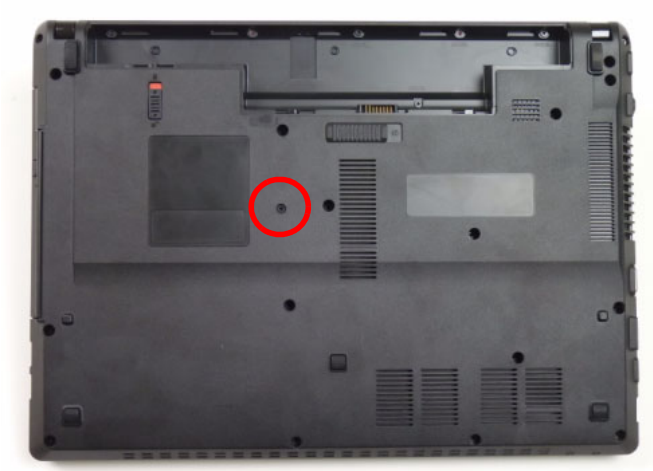
2. Press the bezel into the tray, bottom edge first, to secure it to the ODD module.

Downloaded from www.Manualslib.com manuals search engine

3. Push the ODD module into the ODD bay until it is flush with the casing.



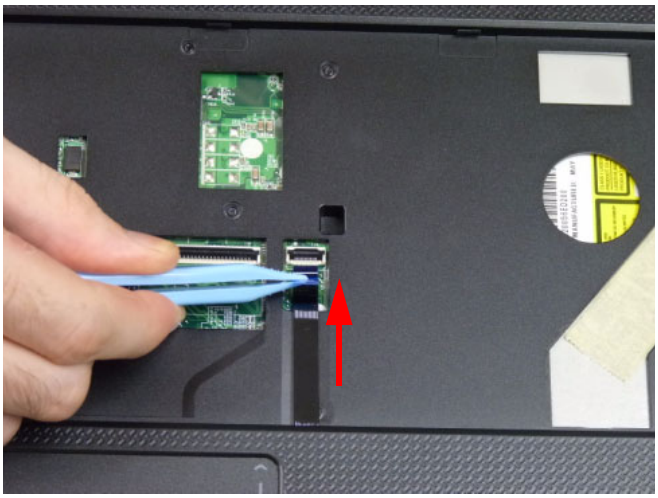
4. Replace the one (1) screw to secure the module.



Step	Size	Quantity	Screw Type
ODD Bracket Disassembly	M2.0*3.0	2	

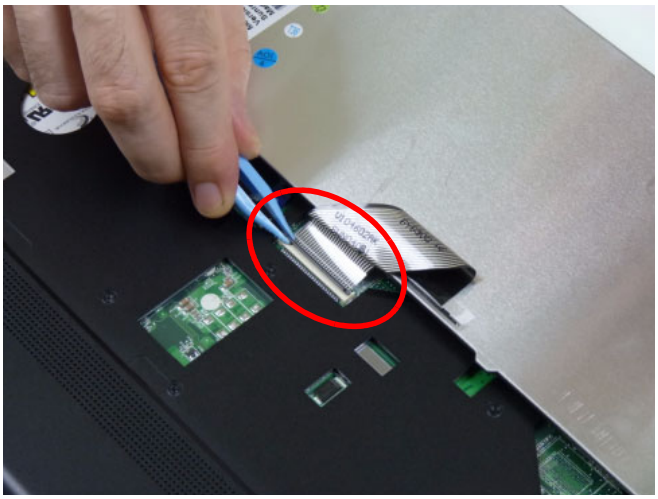
Replacing the Keyboard

1. Connect and lock the Touchpad FFC to the mainboard connector.



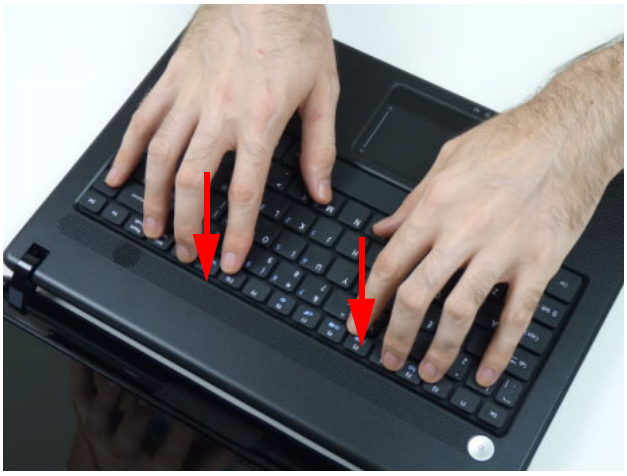
Downloaded from www.Manualslib.com manuals search engine

2. Place the keyboard face down on the upper cover. Connect the keyboard FPC to the mainboard and secure the locking latch.



3. Turn the keyboard over and slide the front edge into the upper cover, ensuring that the four locating tabs are correctly seated.

4. Press down as indicated to secure the keyboard in place.



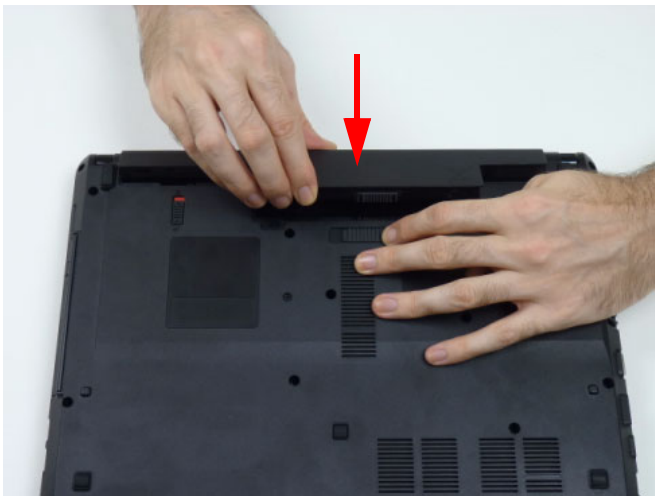
Downloaded from www.Manualslib.com manuals search engine

Replacing the SD dummy card

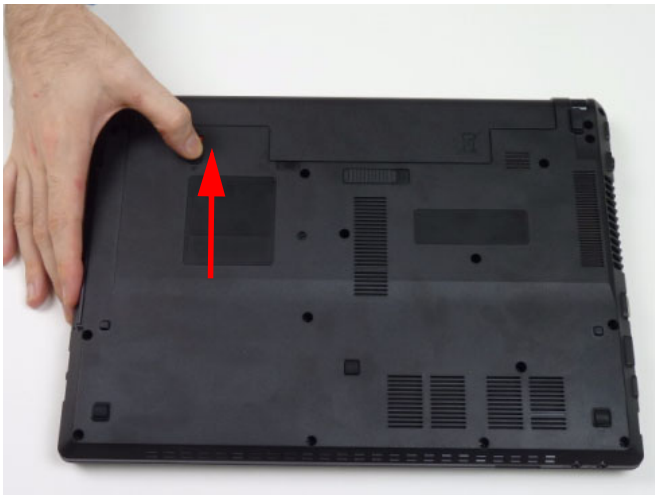
1. Insert the SD dummy card into the slot and push until the card clicks into place and is flush with the casing.

Replacing the Battery Pack

1. Insert the battery pack and press down.



2. Slide the battery lock in the direction shown to secure the battery in place.



Downloaded from www.Manualslib.com manuals search engine

Troubleshooting

Common Problems

Use the following procedure as a guide for computer problems.

NOTE: The diagnostic tests are intended to test only Gateway products. Non-Gateway products, prototype cards, or modified options can give false errors and invalid system responses.

1. Obtain the failing symptoms in as much detail as possible.
2. Verify the symptoms by attempting to re-create the failure by running the diagnostic test or by repeating the same operation.
3. Use the following table with the verified symptom to determine which page to go to.

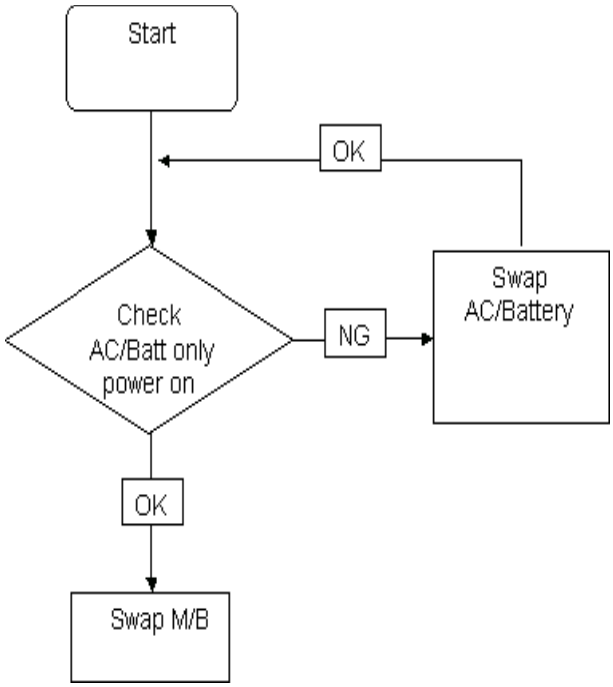
Symptoms (Verified)	Go To
Power On Issue	Page 114
No Display Issue	Page 115
LCD Failure	Page 117
Internal Keyboard Failure	Page 117
Touchpad Failure	Page 118
Internal Speaker Failure	Page 118
ODD Failure	Page 121
WLAN Failure	Page 124
Thermal Unit Failure	Page 124
Other Functions Failure	Page 125
Intermittent Failures	Page 126
Undermined Failures	Page 126

4. If the Issue is still not resolved, see “Online Support Information” on page 165.

Downloaded from www.Manualslib.com manuals search engine

Power On Issue

If the system doesn't power on, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Computer Shutsdown Intermittently

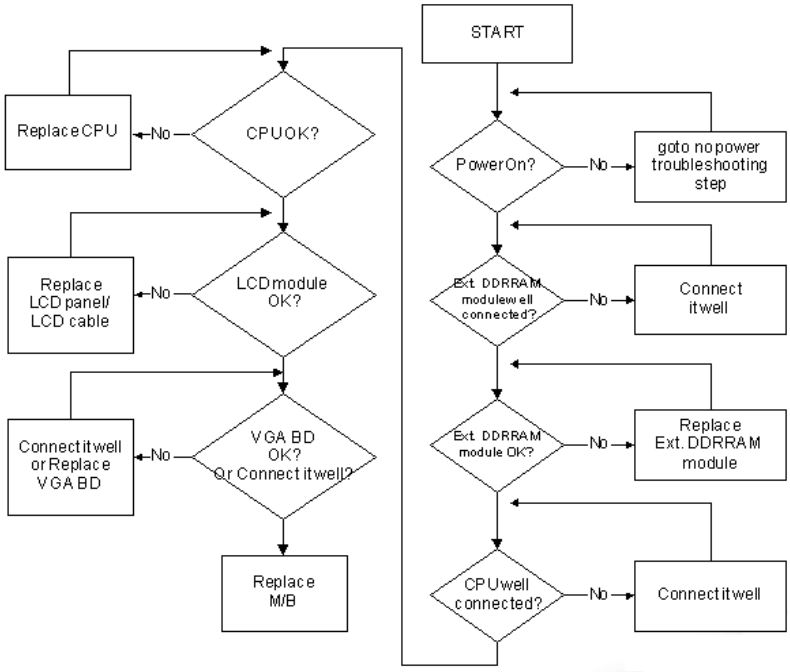
If the system powers off at intervals, perform the following actions one at a time to correct the problem.

1. Check the power cable is properly connected to the computer and the electrical outlet.
2. Remove any extension cables between the computer and the outlet.
3. Remove any surge protectors between the computer and the electrical outlet. Plug the computer directly into a known good electrical outlet.
4. Disconnect the power and open the casing to check the Thermal Unit (see "Thermal Unit Failure" on page 124) and fan airways are free of obstructions.
5. Remove all external and non-essential hardware connected to the computer that are not necessary to boot the computer to the failure point.
6. Remove any recently installed software.
7. If the Issue is still not resolved, see "Online Support Information" on page 165.

Downloaded from www.Manualslib.com manuals search engine

No Display Issue

If the **Display** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



No POST or Video

If the POST or video doesn't display, perform the following actions one at a time to correct the problem.

1. Make sure that the internal display is selected. On this notebook model, switching between the internal display and the external display is done by pressing **Fn+F5**. Reference Product pages for specific model procedures.
2. Make sure the computer has power by checking at least one of the following occurs:
   - Fans start up
   - Status LEDs light up

   If there is no power, see "Power On Issue" on page 114.
3. Drain any stored power by removing the power cable and battery and holding down the power button for 10 seconds. Reconnect the power and reboot the computer.
4. Connect an external monitor to the computer and switch between the internal display and the external display is by pressing **Fn+F5** (on this model).

   If the POST or video appears on the external display, see "LCD Failure" on page 117.
5. Disconnect power and all external devices including port replicators or docking stations. Remove any memory cards and CD/DVD discs. Restart the computer.

   If the computer boots correctly, add the devices one by one until the failure point is discovered.
6. Reseat the memory modules.
7. Remove the drives (see "Disassembly Process" on page 49).
8. If the Issue is still not resolved, see "Online Support Information" on page 165.

Downloaded from www.Manualslib.com manuals search engine

Abnormal Video Display

If video displays abnormally, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. If permanent vertical/horizontal lines or dark spots display in the same location, the LCD is faulty and should be replaced. See “Disassembly Process” on page 49.
3. If extensive pixel damage is present (different colored spots in the same locations on the screen), the LCD is faulty and should be replaced. See “Disassembly Process” on page 49.
4. Adjust the brightness to its highest level. See the User Manual for instructions on adjusting settings.

   NOTE: Ensure that the computer is not running on battery alone as this may reduce display brightness.

   If the display is too dim at the highest brightness setting, the LCD is faulty and should be replaced. See “Removing the LCD Module” on page 68.
5. Check the display resolution is correctly configured:
   a. Minimize or close all Windows.
   b. If display size is only abnormal in an application, check the view settings and control/mouse wheel zoom feature in the application.
   c. If desktop display resolution is not normal, right-click on the desktop and select **Personalize→ Display Settings**.
   d. Click and drag the Resolution slider to the desired resolution.
   e. Click **Apply** and check the display. Readjust if necessary.
6. Roll back the video driver to the previous version if updated.
7. Remove and reinstall the video driver.
8. Check the Device Manager to determine that:
   - The device is properly installed. There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
9. If the Issue is still not resolved, see “Online Support Information” on page 165.
10. Run the Windows Memory Diagnostic from the operating system DVD and follow the onscreen prompts.
11. If the Issue is still not resolved, see “Online Support Information” on page 165.

Random Loss of BIOS Settings

If the computer is experiencing intermittent loss of BIOS information, perform the following actions one at a time to correct the problem.

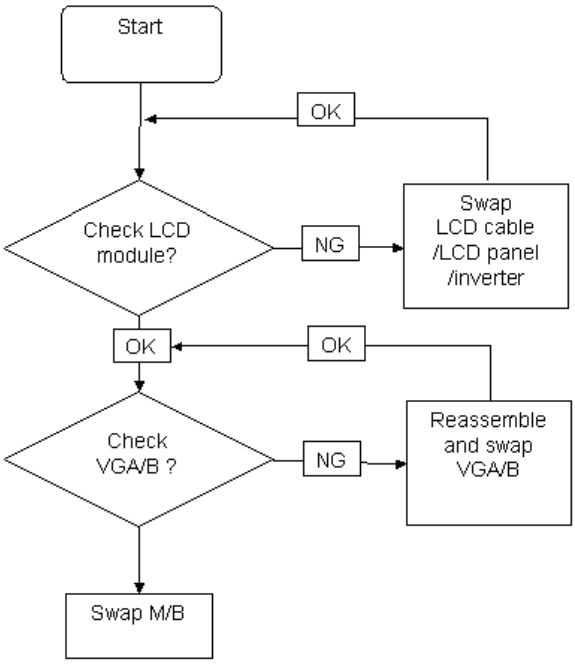
1. If the computer is more than one year old, replace the CMOS battery.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. If the computer is experiencing HDD or ODD BIOS information loss, disconnect and reconnect the power and data cables between devices.

   If the BIOS settings are still lost, replace the cables.
4. If HDD information is missing from the BIOS, the drive may be defective and should be replaced.
5. Replace the Motherboard.
6. If the Issue is still not resolved, see “Online Support Information” on page 165.

Downloaded from www.Manualslib.com manuals search engine

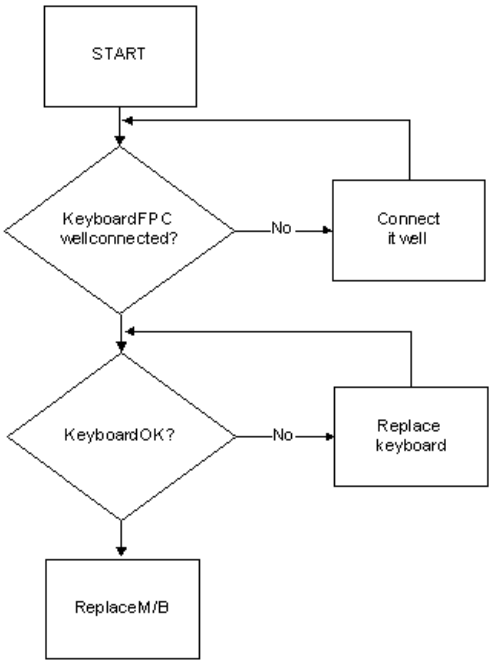
LCD Failure

If the **LCD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Built-In Keyboard Failure

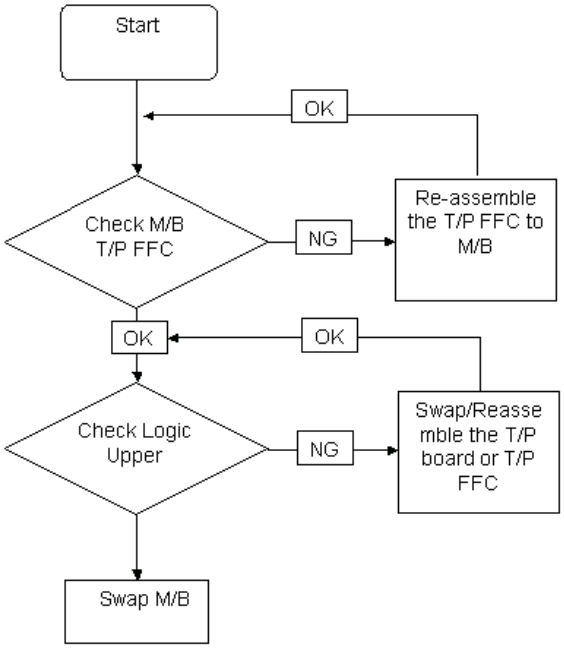
If the built-in **Keyboard** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Downloaded from www.Manualslib.com manuals search engine

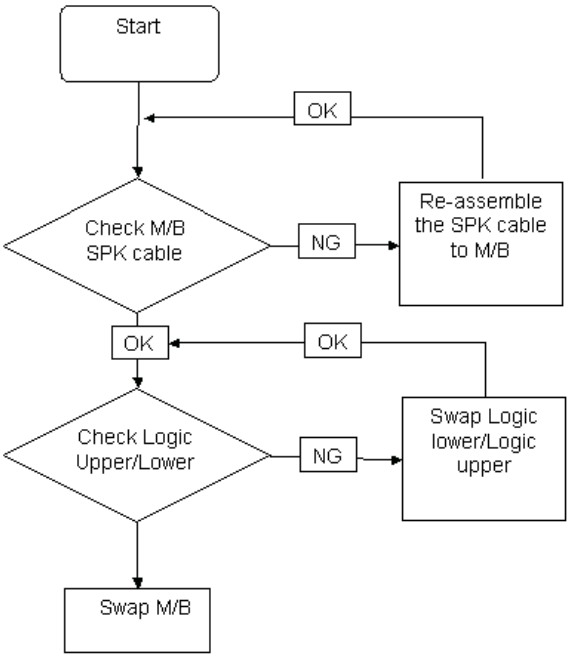
Touchpad Failure

If the **Touchpad** doesn't work, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Internal Speaker Failure

If the internal **Speakers** fail, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Downloaded from www.Manualslib.com manuals search engine

Sound Problems

If sound problems are experienced, perform the following actions one at a time to correct the problem.

1. Reboot the computer.
2. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**. Check the Device Manager to determine that:
   - The device is properly installed.
   - There are no red Xs or yellow exclamation marks.
   - There are no device conflicts.
   - No hardware is listed under Other Devices.
3. Roll back the audio driver to the previous version, if updated recently.
4. Remove and reinstall the audio driver.
5. Ensure that all volume controls are set mid range:
   a. Click the volume icon on the taskbar and drag the slider to 50. Ensure that the volume is not muted.
   b. Click Mixer to verify that other audio applications are set to 50 and not muted.
6. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound**. Ensure that Speakers are selected as the default audio device (green check mark).
   NOTE: If Speakers does not show, right-click on the **Playback** tab and select **Show Disabled Devices** (clear by default).
7. Select Speakers and click **Configure** to start **Speaker Setup**. Follow the onscreen prompts to configure the speakers.
8. Remove and recently installed hardware or software.
9. Restore system and file settings from a known good date using **System Restore**.
   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
10. Reinstall the Operating System.
11. If the Issue is still not resolved, see “Online Support Information” on page 165.

Microphone Problems

If internal or external **Microphones** do no operate correctly, perform the following actions one at a time to correct the problem.

1. Check that the microphone is enabled. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **Sound** and select the **Recording** tab.
2. Right-click on the **Recording** tab and select **Show Disabled Devices** (clear by default).
3. The microphone appears on the **Recording** tab.
4. Right-click on the microphone and select **Enable**.
5. Select the microphone then click **Properties**. Select the **Levels** tab.
6. Increase the volume to the maximum setting and click **OK**.
7. Test the microphone hardware:
   a. Select the microphone and click **Configure**.
   b. Select **Set up microphone**.
   c. Select the microphone type from the list and click **Next**.
   d. Follow the onscreen prompts to complete the test.
8. If the Issue is still not resolved, see “Online Support Information” on page 165.

Downloaded from www.Manualslib.com manuals search engine

HDD Not Operating Correctly

If the **HDD** does not operate correctly, perform the following actions one at a time to correct the problem.

1. Disconnect all external devices.
2. Run a complete virus scan using up-to-date software to ensure the computer is virus free.
3. Run the Windows 7 Startup Repair Utility:
   a. insert the Windows 7 Operating System DVD in the ODD and restart the computer.
   b. When prompted, press any key to start to the operating system DVD.
   c. The **Install Windows** screen displays. Click **Next**.
   d. Select **Repair your computer**.
   e. The **System Recovery Options** screen displays. Click **Next**.
   f. Select the appropriate operating system, and click **Next**.

   NOTE: Click **Load Drivers** if controller drives are required.

   g. Select **Startup Repair**.
   h. Startup Repair attempts to locate and resolve issues with the computer.
   i. When complete, click **Finish**.

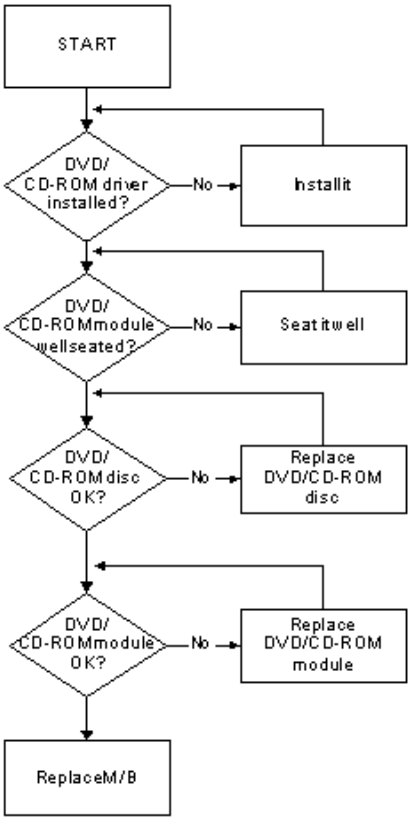
   If an issue is discovered, follow the onscreen information to resolve the problem.
4. Run the Windows Memory Diagnostic Tool. For more information see Windows Help and Support.
5. Restart the computer and press F2 to enter the BIOS Utility. Check the BIOS settings are correct and that CD/DVD drive is set as the first boot device on the Boot menu.
6. Ensure all cables and jumpers on the HDD and ODD are set correctly.
7. Remove any recently added hardware and associated software.
8. Run the Windows Disk Defragmenter. For more information see Windows Help and Support.
9. Run Windows Check Disk by entering **chkdsk /r** from a command prompt. For more information see Windows Help and Support.
10. Restore system and file settings from a known good date using **System Restore**.

    If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
11. Replace the HDD. See “Main Unit Disassembly Process” on page 57.

Downloaded from www.Manualslib.com manuals search engine

ODD Failure

If the **ODD** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



ODD Not Operating Correctly

If the **ODD** exhibits any of the following symptoms it may be faulty:

- Audio CDs do not play when loaded
- DVDs do not play when loaded
- Blank discs do not burn correctly
- DVD or CD play breaks up or jumps
- Optical drive not found or not active:
  - Not shown in My Computer or the BIOS setup
  - LED does not flash when the computer starts up
  - The tray does not eject
- Access failure screen displays
- The ODD is noisy

Perform the following general solutions one at a time to correct the problem.

1. Reboot the computer and retry the operation.
2. Try an alternate disc.
3. Navigate to **Start**→ **Computer**. Check that the ODD device is displayed in the **Devices with Removable Storage** panel.
4. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

Downloaded from www.Manualslib.com manuals search engine

a. Double-click **IDE ATA/ATAPI controllers**. If a device displays a down arrow, right-click on the device and click **Enable**.

b. Double-click **DVD/CD-ROM drives**. If the device displays a down arrow, right-click on the device and click **Enable**.

c. Check that there are no yellow exclamation marks against the items in **IDE ATA/ATAPI controllers**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

d. Check that there are no yellow exclamation marks against the items in **DVD/CD-ROM drives**. If a device has an exclamation mark, right-click on the device and uninstall and reinstall the driver.

e. If the exclamation marker is not removed from the item in the lists, try removing any recently installed software and retrying the operation.

Discs Do Not Play

If discs do not play when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Check that the disc is correctly seated in the drive tray and that the label on the disc is visible.
2. Check that the media is clean and scratch free.
3. Try an alternate disc in the drive.
4. Ensure that **AutoPlay** is enabled:
   a. Navigate to **Start**→ **Control Panel**→ **Hardware and Sound**→ **AutoPlay**.
   b. Select **Use AutoPlay for all media and devices**.
   c. In the Audio CD and DVD Movie fields, select the desired player from the drop down menu.
5. Check that the Regional Code is correct for the selected media:

IMPORTANT: Region can only be changed a limited number of times. After Changes remaining reaches zero, the region cannot be changed even Windows is reinstalled or the drive is moved to another computer.

a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

b. Double-click **DVD/CD-ROM drives**.

c. Right-click **DVD drive** and click **Properties**, then click the **DVD Region** tab.

d. Select the region suitable for the media inserted in the drive.

Discs Do Not Burn Properly

If discs can not be burned, perform the following actions one at a time to correct the problem.

1. Ensure that the default drive is record enabled:
   a. Navigate to **Start**→ **Computer** and right-click the writable ODD icon. Click **Properties**.
   b. Select the **Recording** tab. In the **Desktop disc recording** panel, select the writable ODD from the drop down list.
   c. Click **OK**.
2. Ensure that the software used for burning discs is the factory default. If using different software, refer to the software's user manual.

Playback is Choppy

If playback is choppy or jumps, perform the following actions one at a time to correct the problem.

1. Check that system resources are not running low:
   a. Try closing some applications.
   b. Reboot and try the operation again.
2. Check that the ODD controller transfer mode is set to DMA:
   a. Navigate to **Start**→ **Control Panel**→ **System and Maintenance**→ **System**→ **Device Manager**.

Downloaded from www.Manualslib.com manuals search engine

b. Double-click **IDE ATA/ATAPI controllers**, then right-click ATA Device 0.

c. Click **Properties** and select the **Advanced Settings** tab. Ensure that the **Enable DMA** box is checked and click **OK**.

d. Repeat for the other ATA Devices shown if applicable.

Drive Not Detected

If Windows cannot detect the drive, perform the following actions one at a time to correct the problem.

1. Restart the computer and press F2 to enter the BIOS Utility.
2. Check that the drive is detected in the **ATAPI Model Name** field on the Information page.

   NOTE: Check that the entry is identical to one of the ODDs specified in “Hardware Specifications and Configurations” on page 16.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Main Unit Disassembly Process” on page 57.

   a. Check for broken connectors on the drive, motherboard, and cables.

   b. Check for bent or broken pins on the drive, motherboard, and cable connections.

   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Reseat the drive ensuring and all cables are connected correctly.
5. Replace the ODD. See “Disassembly Process” on page 49.

Drive Read Failure

If discs cannot be read when inserted in the drive, perform the following actions one at a time to correct the problem.

1. Remove and clean the failed disc.
2. Retry reading the CD or DVD.

   d. Test the drive using other discs.

   e. Play a DVD movie

   f. Listen to a music CD

   If the ODD works properly with alternate discs, the original disc is probably defective and should be replaced.
3. Turn off the power and remove the cover to inspect the connections to the ODD. See “Disassembly Process” on page 49.

   a. Check for broken connectors on the drive, motherboard, and cables.

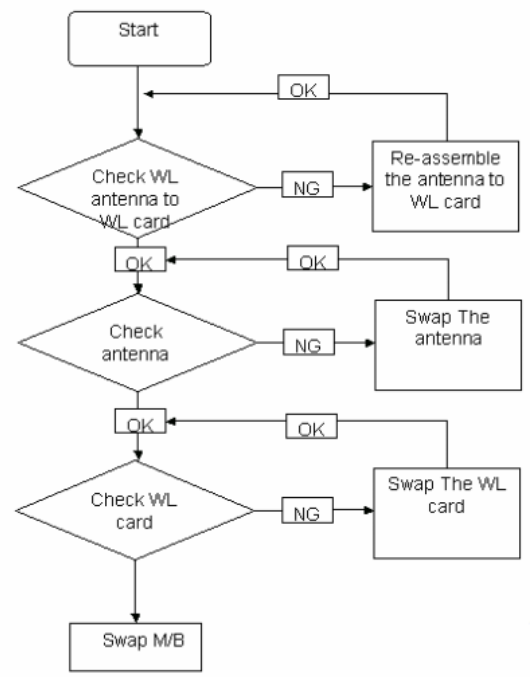
   b. Check for bent or broken pins on the drive, motherboard, and cable connections.

   c. Try an alternate cable, if available. If the drive works with the new cable, the original cable should be replaced.
4. Replace the ODD. See “Disassembly Process” on page 49.

Downloaded from www.Manualslib.com manuals search engine

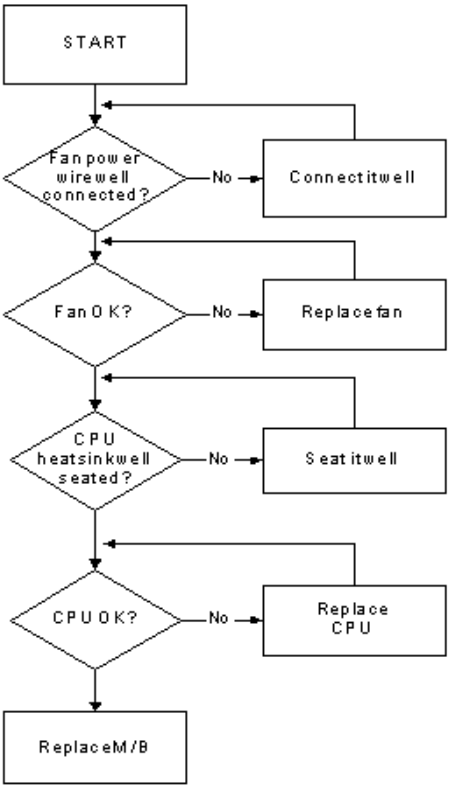
Wireless Function Failure

If the **WLAN** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Thermal Unit Failure

If the **Thermal Unit** fails, perform the following actions one at a time to correct the problem. Do not replace a non-defective FRUs:



Downloaded from www.Manualslib.com manuals search engine

External Mouse Failure

If an external **Mouse** fails, perform the following actions one at a time to correct the problem.

1. Try an alternative mouse.
2. If the mouse uses a wireless connection, insert new batteries and confirm there is a good connection. See the mouse user manual.
3. If the mouse uses a USB connection, try an alternate USB port.
4. Try an alternative program to verify mouse operation. Reinstall the program experiencing mouse failure.
5. Restart the computer.
6. Remove any recently added hardware and associated software.
7. Remove any recently added software and reboot.
8. Restore system and file settings from a known good date using **System Restore**.

   If the issue is not fixed, repeat the preceding steps and select an earlier time and date.
9. Run the Event Viewer to check the events log for errors. For more information see Windows Help and Support.
10. Roll back the mouse driver to the previous version if updated recently.
11. Remove and reinstall the mouse driver.
12. Check the Device Manager to determine that:
    - The device is properly installed. There are no red Xs or yellow exclamation marks.
    - There are no device conflicts.
    - No hardware is listed under Other Devices.
13. If the Issue is still not resolved, see “Online Support Information” on page 165.

Other Failures

If the CRT Switch, Dock, LAN Port, external MIC or Speakers, PCI Express Card, 5-in-1 Card Reader or Volume Wheel fail, perform the following general steps to correct the problem. Do not replace a non-defective FRUs:

1. Check Drive whether is OK.
2. Check Test Fixture is ok.
3. Swap M/B to Try.

Downloaded from www.Manualslib.com manuals search engine

Intermittent Problems

Intermittent system hang problems can be caused by a variety of reasons that have nothing to do with a hardware defect, such as: cosmic radiation, electrostatic discharge, or software errors. FRU replacement should be considered only when a recurring problem exists.

When analyzing an intermittent problem, do the following:

1. Run the advanced diagnostic test for the system board in loop mode at least 10 times.
2. If no error is detected, do not replace any FRU.
3. If any error is detected, replace the FRU. Rerun the test to verify that there are no more errors.

Undetermined Problems

The diagnostic problems does not identify which adapter or device failed, which installed devices are incorrect, whether a short circuit is suspected, or whether the system is inoperative.

Follow these procedures to isolate the failing FRU (do not isolate non-defective FRU).

NOTE: Verify that all attached devices are supported by the computer.

NOTE: Verify that the power supply being used at the time of the failure is operating correctly. (See “Power On Issue” on page 114.):

1. Power-off the computer.
2. Visually check them for damage. If any problems are found, replace the FRU.
3. Remove or disconnect all of the following devices:
    - Non-Gateway devices
    - Printer, mouse, and other external devices
    - Battery pack
    - Hard disk drive
    - DIMM
    - CD-ROM/Diskette drive Module
    - PC Cards
4. Power-on the computer.
5. Determine if the problem has changed.
6. If the problem does not recur, reconnect the removed devices one at a time until you find the failing FRU.
7. If the problem remains, replace the following FRU one at a time. Do not replace a non-defective FRU:
    - System board
    - LCD assembly

Downloaded from www.Manualslib.com manuals search engine

Post Codes

These tables describe the POST codes and descriptions during the POST.

.

Code	POST Routine Description
02h	Verify Real Mode
03h	Disable Non-Maskable Interrupt (NMI)
04h	Get CPU type
06h	Initialize system hardware
08h	Initialize chipset with initial POST values
09h	Set IN POST flag
0Ah	Initialize CPU registers
0Bh	Enable CPU cache
0Ch	Initialize caches to initial POST values
0Eh	Initialize I/O component

Code	Beeps	POST Routine Description
0Fh		Initialize the local bus IDE
10h		Initialize Power Management
11h		Load alternate registers with initial POST values
12h		Restore CPU control word during warm boot
13h		Initialize PCI Bus Mastering devices
14h		Initialize keyboard controller
16h	1-2-2-3	BIOS ROM checksum
17h		Initialize cache before memory autosize
18h		8254 timer initialization
1Ah		8237 DMA controller initialization
1Ch		Reset Programmable Interrupt Controller
20h	1-3-1-1 T	est DRAM refresh
22h	1-3-1-3	Test 8742 Keyboard Controller
24h		Set ES segment register to 4 GB
26h		Enable A20 line
28h		Autosize DRAM
29h		Initialize POST Memory Manager
2Ah		Clear 512 KB base RAM
2Ch	1-3-4-1	RAM failure on address line xxxx*
2Eh	1-3-4-3	RAM failure on data bits xxxx* of low byte of memory bus
2Fh		Enable cache before system BIOS shadow
30h	1-4-1-1	RAM failure on data bits xxxx* of high byte of memory bus
32h		Test CPU bus-clock frequency
33h		Initialize Phoenix Dispatch Manager
36h		Warm start shut down
38h		Shadow system BIOS ROM
3Ah		Autosize cache

Downloaded from www.Manualslib.com manuals search engine

Code	Beeps	POST Routine Description
3Ch		Advanced configuration of chipset registers
3Dh		Load alternate registers with CMOS values
42h		Initialize interrupt vectors
45h		POST device initialization
46h	2-1-2-3 Che	ck ROM copyright notice
48h		Check video configuration against CMOS
49h		Initialize PCI bus and devices
4Ah		Initialize all video adapters in system
4Bh		QuietBoot start (optional)
4Ch		Shadow video BIOS ROM

Code	Beeps	POST Routine Description
4Eh		Display BIOS copyright notice
50h		Display CPU type and speed
51h		Initialize EISA board
52h T		est keyboard
54h		Set key click if enabled
58h	2-2-3-1	Test for unexpected interrupts
59h Initial		ize POST display service
5Ah		Display prompt "Press F2 to enter SETUP"
5Bh		Disable CPU cache
5Ch		Test RAM between 512 and 640 KB
60h		Test extended memory
62h		Test extended memory address lines
64h Jump		to UserPatch1
66h		Configure advanced cache registers
67h		Initialize Multi Processor APIC
68h		Enable external and CPU caches
69h		Setup System Management Mode (SMM) area
6Ah		Display external L2 cache size
6Bh		Load custom defaults (optional)
6Ch		Display shadow-area message
6Eh		Display possible high address for UMB recovery
70h Displ		ay error messages
72h		Check for configuration errors
76h		Check for keyboard errors
7Ch		Set up hardware interrupt vectors
7Eh		Initialize coprocessor if present
80h		Disable onboard Super I/O ports and IRQs
81h		Late POST device initialization
82h		Detect and install external RS232 ports
83h		Configure non-MCD IDE controllers
84h		Detect and install external parallel ports

Downloaded from www.Manualslib.com manuals search engine

Code	Beeps	POST Routine Description
85h Initial		ize PC-compatible PnP ISA devices
86h		Re-initialize onboard I/O ports.
87h		Configure Motheboard Configurable Devices (optional)
88h		Initialize BIOS Data Area
89h		Enable Non-Maskable Interrupts (NMIs)
8Ah		Initialize Extended BIOS Data Area
8Bh		Test and initialize PS/2 mouse
8Ch		Initialize floppy controller

Code	Beeps	POST Routine Description
8Fh		Determine number of ATA drives (optional)
90h Initial		ize hard-disk controllers
91h Initial		ize local-bus hard-disk controllers
92h Jump		to UserPatch2
93h		Build MPTABLE for multi-processor boards
95h		Install CD ROM for boot
96h		Clear huge ES segment register
97h		Fixup Multi Processor table
98h	1-2	Search for option ROMs. One long, two short beeps on checksum failure
99h		Check for SMART Drive (optional)
9Ah Shad		ow option ROMs
9Ch		Set up Power Management
9Dh		Initialize security engine (optional)
9Eh		Enable hardware interrupts
9Fh		Determine number of ATA and SCSI drives
A0h		Set time of day
A2h		Check key lock
A4h		Initialize Typematic rate
A8h Erase		F2 prompt
AAh		Scan for F2 key stroke
ACh Enter		SETUP
AEh		Clear Boot flag
B0h		Check for errors
B2h		POST done - prepare to boot operating system
B4h	1	One short beep before boot
B5h		Terminate QuietBoot (optional)
B6h		Check password (optional)
B9h Prep		are Boot
BAh		Initialize DMI parameters
BBh		Initialize PnP Option ROMs
BCh		Clear parity checkers
BDh		Display MultiBoot menu

Downloaded from www.Manualslib.com manuals search engine

Code	Beeps	POST Routine Description
BEh Cle		ar screen (optional)
BFh		Check virus and backup reminders
C0h		Try to boot with INT 19
C1h Initial		ize POST Error Manager (PEM)
C2h Initial		ize error logging
C3h		Initialize error display function

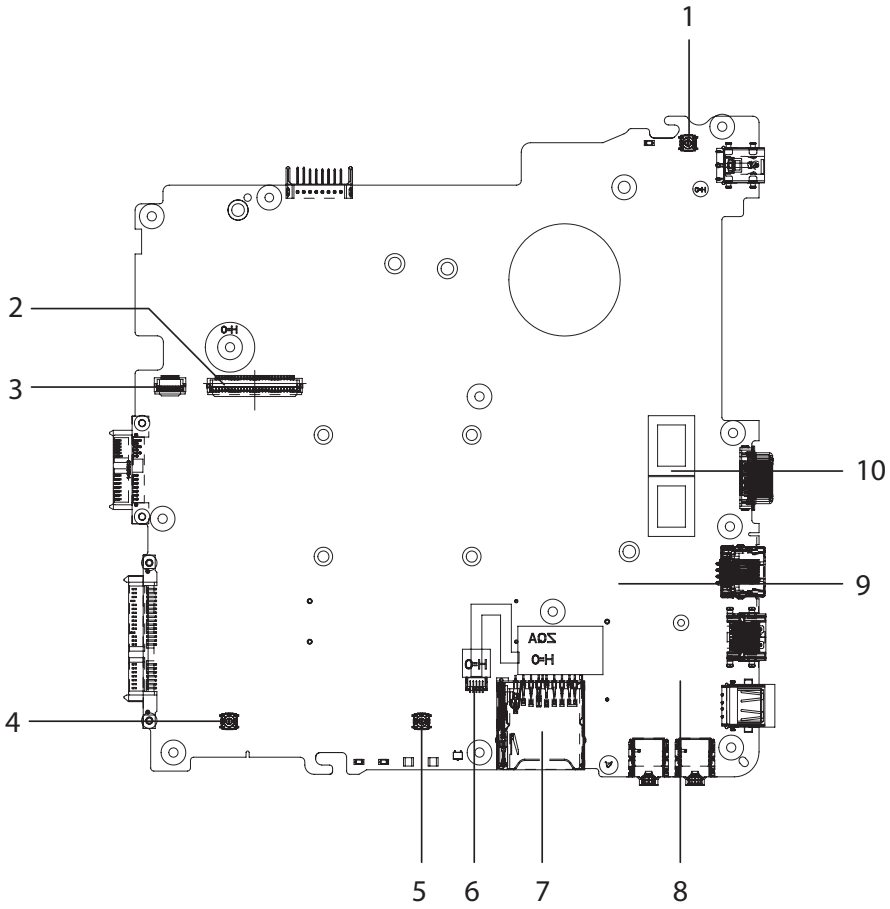
Code	Beeps	POST Routine Description
C4h		Initialize system error handler
C5h		PnPnd dual CMOS (optional)
C6h		Initialize notebook docking (optional)
C7h		Initialize notebook docking late
C8h		Force check (optional)
C9h		Extended checksum (optional)
D2h Unkn		own interrupt

Code	Beeps	For Boot Block in Flash ROM
E0h Initial		ize the chipset
E1h Initial		ize the bridge
E2h Initial		ize the CPU
E3h		Initialize system timer
E4h		Initialize system I/O
E5h		Check force recovery boot
E6h		Checksum BIOS ROM
E7h G		o to BIOS
E8h Set		Huge Segment
E9h Initial		ize Multi Processor
EAh		Initialize OEM special code
EBh		Initialize PIC and DMA
ECh Initialize		Memory type
EDh Initialize		Memory size
EEh		Shadow Boot Block
EFh		System memory test
F0h		Initialize interrupt vectors
F1h		Initialize Run Time Clock
F2h Initial		ize video
F3h		Initialize System Management Mode
F4h	1	Output one beep before boot
F5h		Boot to Mini DOS
F6h Cle		ar Huge Segment
F7h		Boot to Full DOS

Downloaded from www.Manualslib.com manuals search engine

Jumper and Connector Locations

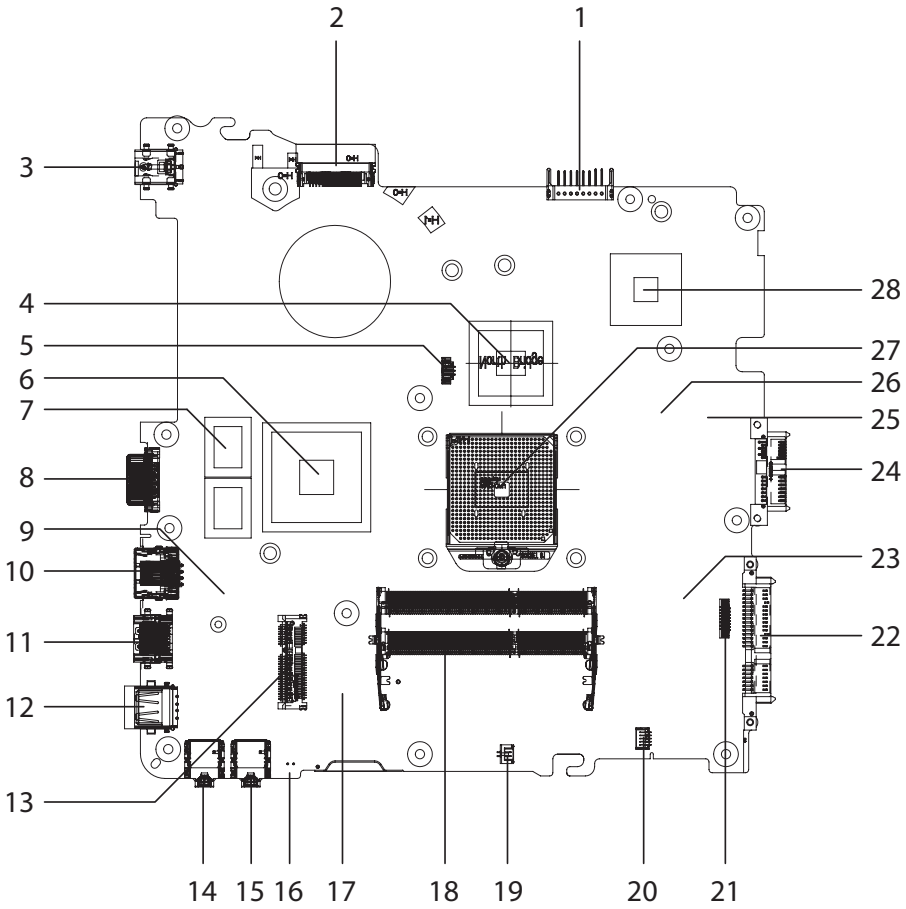
Top View



Item	Description	Item	Description
1	SW1 / Power Button	6	CN22 / BT V2.1 wire conn.
2	CN2 / K/B FFC conn.	7	CN3 / Card reader Conn
3	CN1 / TP FFC conn.	8	U11 / Codec IC
4	Glide PAD Right SW	9	U8 / LAN control IC
5	Glide PAD Left SW	10	U6,U73 / Dis VRAM

Downloaded from www.Manualslib.com manuals search engine

Bottom View



Item	Description	Item	Description
1	PJ2 Battery Conn	15	CN21 / LINE-OUT
2	CN5 / LCD wire Conn	16	CN4 / INT Mic conn
3	PJ1/ PWR Jack conn.	17	U25 / Card reader IC
4	U16 / N.B.	18	CN11, CN15 / Memory DIMM
5	CN7 / FAN Conn	19	CN19 / Int. SPK. Conn
6	U20 / Park VGA IC	20	CN18 / BT V3.0 wire conn.
7	U19 / U23 Dis VRAM IC.	21	CN12 / USB Board
8	CN9 / CRT Conn	22	CN14 / HDD Conn
9	U24 / LAN transformer	23	PU14/ 3V/5V PWM IC
10	CN10 / LAN Conn	24	CN8 / ODD Conn
11	CN13 / HDMI Conn.	25	U17 / System BIOS
12	CN17 / USB Conn.	26	U18 / EC/ KBC
13	CN16 / Mini card Conn	27	U22 / CPU socket
14	CN20 / EXT Mic conn	28	U14 / SB Chip

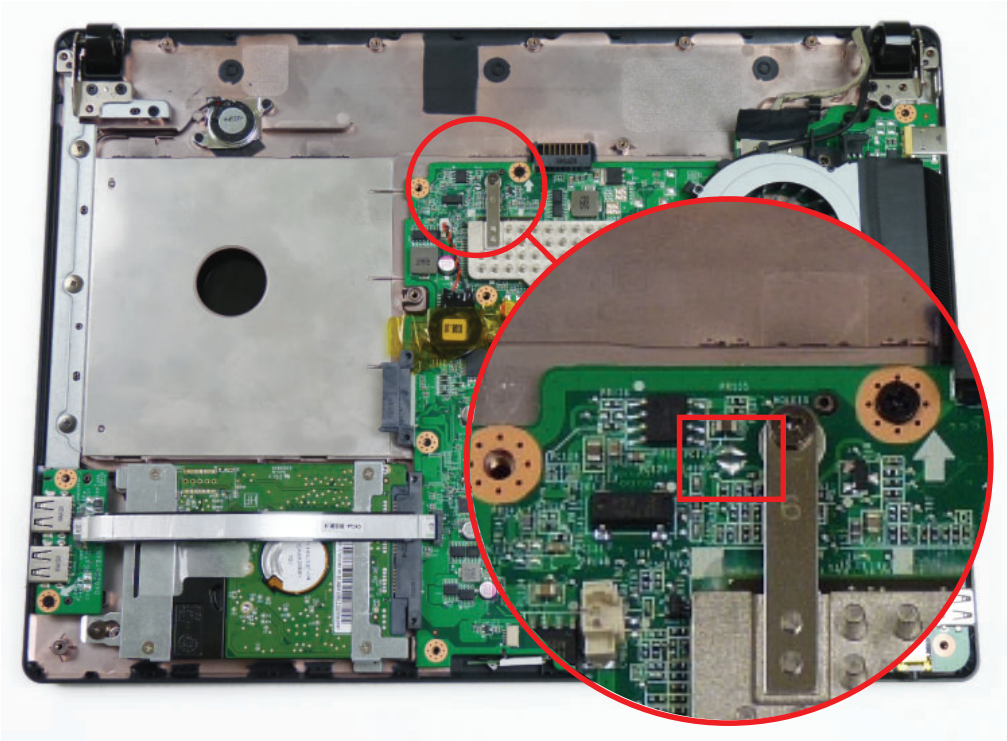
Downloaded from www.Manualslib.com manuals search engine

Clearing Password Check and BIOS Recovery

This section provide you the standard operating procedures of clearing password and BIOS recovery for Acer Aspire 4252/4552/4552G. Gateway provides one Hardware Open Gap on the main board for clearing password check, and one Hotkey for enabling BIOS Recovery.

Clearing Password Check

Hardware Open Gap Description is as follows:



Item	Description	Location
G1	CMOS Jumper	Between RTC connector and battery connector

Steps for Clearing BIOS Password Check

If users set BIOS Password (Supervisor Password and/or User Password) for a security reason, BIOS will ask the password during systems POST or when systems enter to BIOS Setup menu. However, once it is necessary to bypass the password check, users need to short the HW Gap to clear the password by the following steps:

1. Power Off the system, and remove HDD, AC and Battery from the machine.
2. Open the Memory Cover of the machine and locate the G1 jumper.
3. Use an electric conductivity tool to short the two points of the HW Gap.
4. Plug in AC, keep the short condition on the HW Gap, and press Power Button to power on the system till BIOS POST finish. Then remove the tool from the HW Gap.
5. Restart system. Press **F2** key to enter BIOS Setup menu.
6. If there is no Password request, BIOS Password is cleared. Otherwise, please follow the steps and try again.

NOTE: These steps are only for clearing BIOS Password (Supervisor Password and User Password).

Downloaded from www.Manualslib.com manuals search engine

BIOS Recovery by Crisis Disk

BIOS Recovery Boot Block:

BIOS Recovery Boot Block is a special block of BIOS. It is used to boot up the system with minimum BIOS initialization. Users can enable this feature to restore the BIOS firmware to a successful one once the previous BIOS flashing process failed.

BIOS Recovery Hotkey:

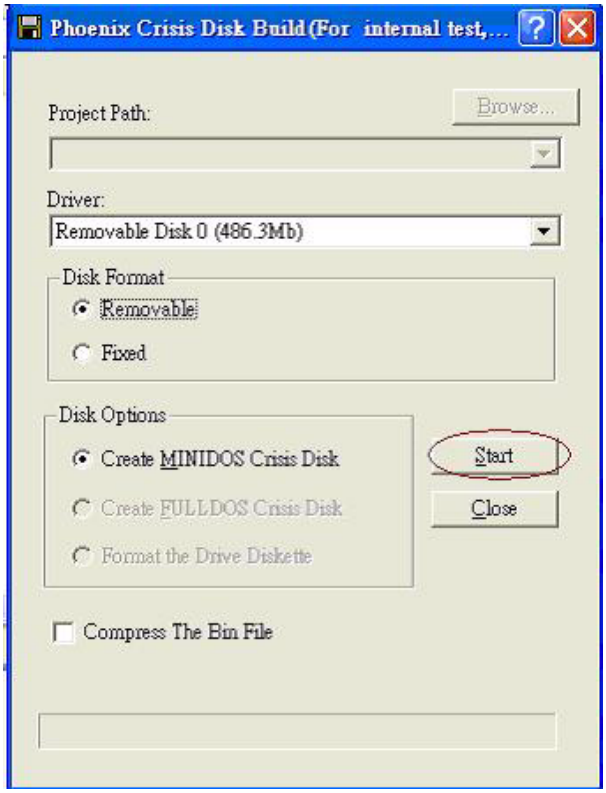
The system provides a function hotkey: **Fn+Esc**, to enable the BIOS Recovery process when the system is powered on during BIOS POST. To use this function, it is strongly recommended to have the AC adapter and Battery present. If this function is enabled, the system will force the BIOS to enter a special BIOS block, called Boot Block.

Steps for BIOS Recovery from USB Storage:

Before doing this, prepare the Crisis USB key. The Crisis USB key could be made by executing the Crisis Disk program in another system with Windows 7 OS.

Follow the steps below:

1. Insert a USB stick/floppy.
2. Execute WINCRIS.exe and click **Start** to create the crisis disk.



3. Plug USB storage into USB port of the system that needs to be rescued.
4. Press **Fn + ESC** and the power button to power on the system.
5. The system will go into crisis mode and recover BIOS.

Downloaded from www.Manualslib.com manuals search engine

Chapter 6

FRU (Field Replaceable Unit) List

This chapter gives you the FRU (Field Replaceable Unit) listing in global configurations of Acer Aspire 4252/4552/4552G. Refer to this chapter whenever ordering for parts to repair or for RMA (Return Merchandise Authorization).

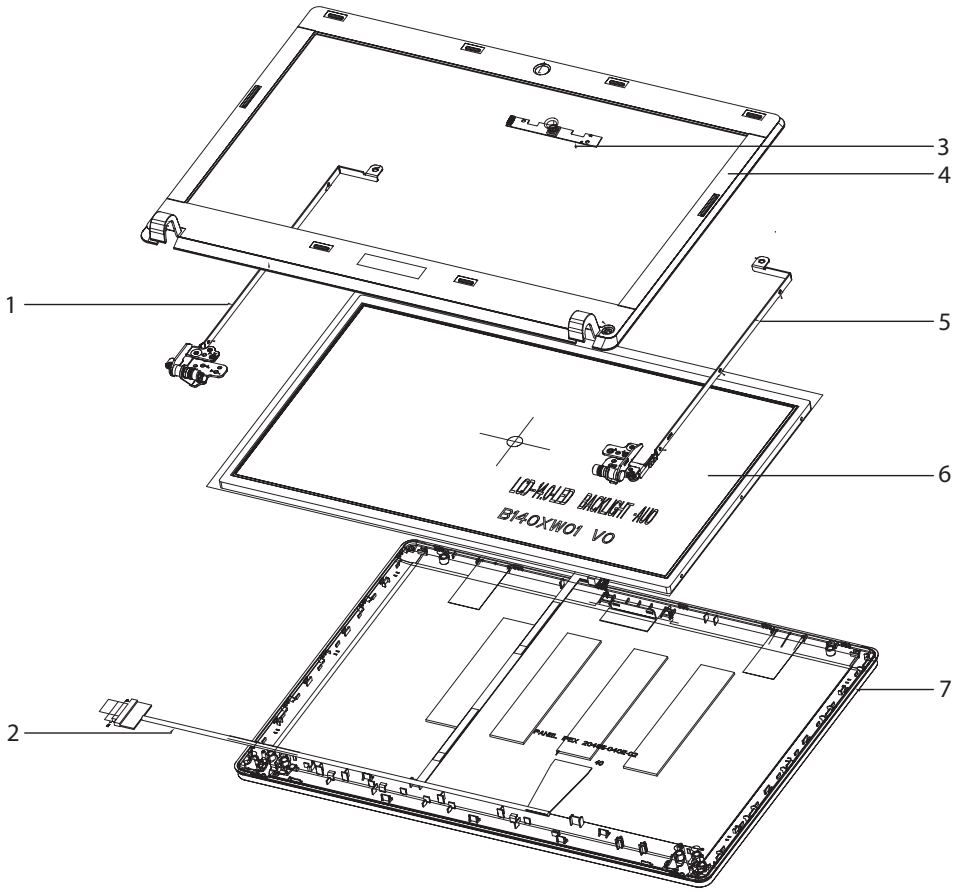
Please note that WHEN ORDERING FRU PARTS, you should check the most up-to-date information available on your regional web or channel. For whatever reasons a part number change is made, it will not be noted on the printed Service Guide. For ACER AUTHORIZED SERVICE PROVIDERS, your Acer office may have a DIFFERENT part number code from those given in the FRU list of this printed Service Guide. You MUST use the local FRU list provided by your regional Acer office to order FRU parts for repair and service of customer machines.

NOTE: To scrap or to return the defective parts, you should follow the local government ordinance or regulations on how to dispose it properly, or follow the rules set by your regional Acer office on how to return it.

Downloaded from www.Manualslib.com manuals search engine

Acer Aspire 4252/4552/4552G Exploded Diagrams

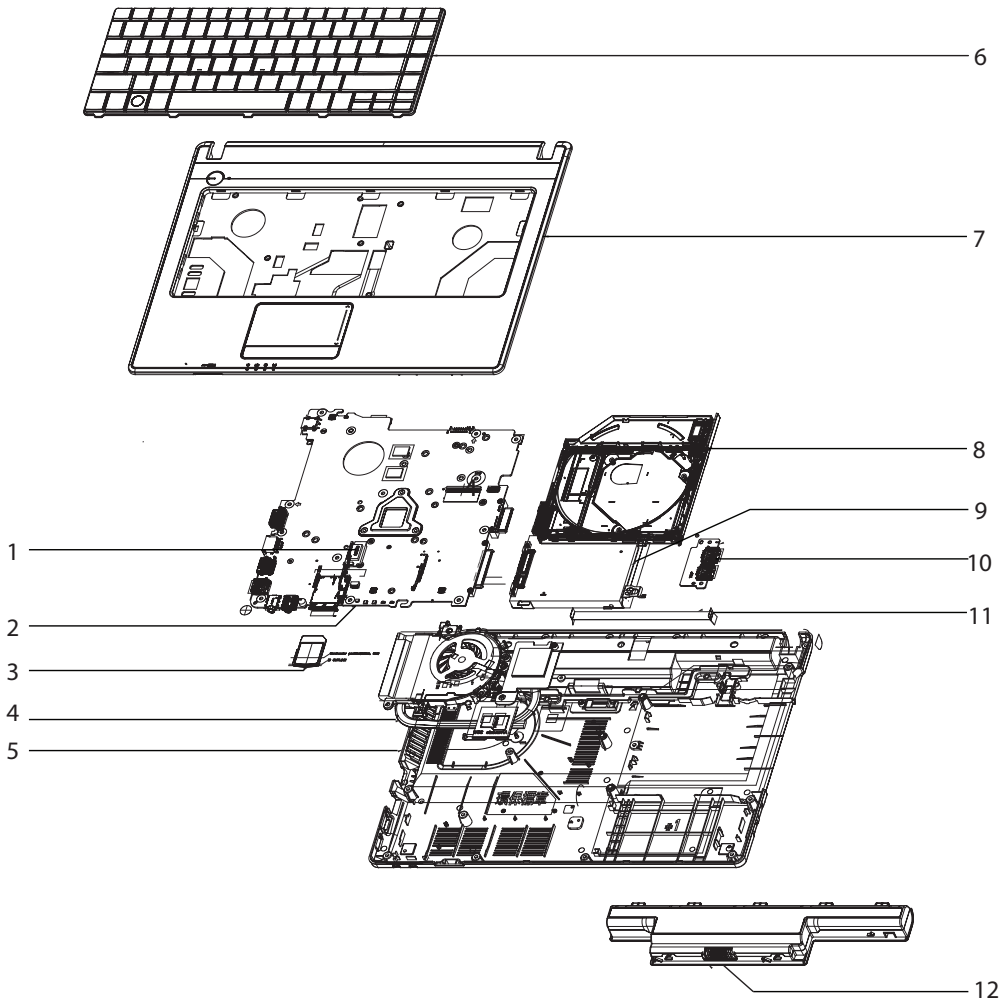
LCD Assembly



No.	Description	Acer P/N
1	Left hinge	33.R6Z07.004
2	LVDS cable assy	50.R6Z07.004
3	Camera	AM.21400.067
4	LCD bezel	60.R6Z07.010
5	Right hinge	33.R6Z07.005
6	LCD Panel	LK.14008.004
7	LCD cover	60.R6Z07.009

Downloaded from www.Manualslib.com manuals search engine

Chassis Assembly



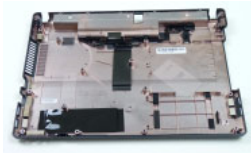
No.	Description	Acer P/N	No.	Description	Acer P/N
1	Bluetooth module	BH.21100.006	7	Top cover	60.R6Z07.001
2	Mainboard	MB.R6306.001	8	ODD module	KU.00801.040
3	Dummy card	42.PSR07.002	9	HDD	KH.16001.045
4	Thermal module	60.R7607.002	10	USB module	55.R6Z07.001
5	Base assy	60.R6Z07.007	11	USB FFC	50.TVM07.002
6	Keyboard	KB.I140A.204	12	Battery	BT.00603.111

Downloaded from www.Manualslib.com manuals search engine

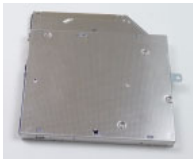
Acer Aspire 4252/4552/4552G FRU List

Category	Description	P/N
ADAPTER		
	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65VH BA, LV5, Low profile LED LF	AP.06501.033
	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-69AW, LV5, Low profile LED LF	AP.06503.029
	Adapter Chicony Power 65W 19V 1.7x5.5x11 Yellow CPA09-A065N1, LV5, low profile LED LF	AP.0650A.017
	Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DBH, LV5 LED LF	AP.09001.031
	Adapter LITE-ON 90W 19V 1.7x5.5x11 Blue PA-1900-34AR, LV5 LED LF	AP.09003.021
	Adapter HIPRO 90W 19V 1.7x5.5x11 Blue HP-A0904A3 B1LF, LV5 LED LF	AP.0900A.005
	Adapter DELTA 65W 19V 1.7x5.5x11 Yellow ADP-65JH DB A, LV5 LED LF	AP.06501.026
	Adapter LITE-ON 65W 19V 1.7x5.5x11 Yellow PA-1650-22AC LV5 LED LF	AP.06503.024
	Adapter HIPRO 65W 19V 1.7x5.5x11 Yellow HP-A0652R3B 1LF, LV5 LED LF	AP.0650A.012
BATTERY		
	Battery SANYO AS10D Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON ID:AS10D31	BT.00603.111
	Battery SONY AS10D Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON ID:AS10D41	BT.00604.049
	Battery PANASONIC AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D51	BT.00605.062
	Battery SIMPLO AS10D Li-Ion 3S2P PANASONIC 6 cell 4400mAh Main COMMON ID:AS10D71	BT.00607.125
	Battery SIMPLO AS10D Li-Ion 3S2P LGC 6 cell 4400mAh Main COMMON ID:AS10D73	BT.00607.126
	Battery SIMPLO AS10D Li-Ion 3S2P SAMSUNG 6 cell 4400mAh Main COMMON ID:AS10D	BT.00607.127
BOARD		
	Foxconn Bluetooth BRM 2046 BT2.1 (T60H928.33 Ver.3/PCB V015) HSF	BH.21100.006
	Foxconn Bluetooth BRM 2046 BT3.0 (T60H928.33) f/w:861	BH.21100.008
	Foxconn Bluetooth ATH AR3011	BH.21100.005
	Foxconn Bluetooth ATH AR3011 (BT3.0)	BH.21100.009
	Foxconn Bluetooth BRM 2070 (T77H114.01)	BH.21100.007
	Foxconn Bluetooth BRM 2070 (T77H114.01) BT 3.0	BH.21100.010
	Foxconn Wirelss LAN Atheros HB95BG (HM) T77H121.10	NI.23600.077
	Liteon Wireless LAN Atheros HB97 2x2 BGN (HM) WN6603AH	NI.23600.073
	Foxconn Wireless LAN Atheros HB97 2x2 BGN (HM)	NI.23600.072
	Foxconn Wireless LAN Broadcomm 43225 2x2 BGN (HM) T77H103.00	NI.23600.066
	USB BOARD	55.R6Z07.001

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
CABLE		
	POWER CORD UK 3PIN	27.A03V7.004
	PWR CORD V943B30001218008 DANISH 3P	27.A03V7.006
	POWER CORD US 3PIN ROHS	27.TAXV7.001
	PWR CORD(ISR)1.8M 3PBLK FZ0I0008-038	27.TATV7.005
	PWR CORD V50CB3T3012180QD TW-110V,3P	27.A99V7.002
	POWER CORD(SWI)1.8M 3PBLACK FZ010008-011	27.A99V7.004
	POWER CORD(IT) 1.8M 3PBLACK FZ010008-008	27.A99V7.005
	POWER CORD(S.A) 1.8M 3BLACK FZ010008-006	27.T48V7.001
	POWER CORD(EU) 1.8M 3PBLACK FM010008-010	27.TATV7.001
	POWER CORD BRAZIL IMETRO 3 PIN	27.S0607.001
	BLUETOOTH CABLE	50.PSR07.001
	BLUETOOTH CABLE (6P FOR BT3.0 BRM2070)	50.TVM07.002
CABLE	FFC- USB	50.R6Z07.001
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE W/ SPK,TP, TP FFC - BLACK	60.R6Z07.001
	UPPER CASE W/O SPK,TP,TP FFC - BLACK	60.R6Z07.004
	TOUCH PAD	56.R6Z07.001
	FFC- TP TO MB	50.R6Z07.003
	SPEAKER	23.R6Z07.001
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE W/ SPK,TP, TP FFC - BROWN	60.R6Z07.002
	UPPER CASE W/O SPK,TP,TP FFC - BROWN	60.R6Z07.005
	TOUCH PAD	56.R6Z07.001
	FFC- TP TO MB	50.R6Z07.003
	SPEAKER	23.R6Z07.001
CASE/COVER/BRACKET ASSEMBLY		
	UPPER CASE W/ SPK,TP, TP FFC - RED	60.R6Z07.003
	UPPER CASE W/O SPK,TP,TP FFC - RED	60.R6Z07.006
	TOUCH PAD	56.R6Z07.001
	FFC- TP TO MB	50.R6Z07.003
	SPEAKER	23.R6Z07.001
CASE/COVER/BRACKET ASSEMBLY		
	LOWER CASE	60.R6Z07.007
	HINGE SUPPORT BRACKET FOR UPPER CASE	33.R6Z07.001
	DUMMY CARD	42.PSR07.002

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
CPU/PROCESSOR		
	CPU AMD AthlonII P340 PGA 2.2G 1M 25W	KC.AP002.340
	CPU AMD - V140 PGA 2.3G 512K 25W	KC.V0002.140
	CPU AMD PhenomII N850 PGA 2.2G 1.5M 35W	KC.PN002.850
	CPU AMD PhenomII N950 PGA 2.1G 2M 35W	KC.PN002.950
	CPU AMD PhenomII P840 PGA 1.9G 1.5M 25W	KC.PP002.840
	CPU AMD PhenomII P940 PGA 1.7G 2M 25W	KC.PP002.940
	CPU AMD TurionII P540 PGA 2.4G 2M 25W	KC.TP002.540
DVD RW DRIVE		
DVD RW DRIVE	DVD/RW SUPER MULTI SATA MODULE	6M.R7607.001
	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633F LF W/O bezel SATA (HF + Windows 7)	KU.00801.040
	ODD HLDS Super-Multi DRIVE 12.7mm Tray DL 8X GT32N (R5-2) LF W/O bezel SATA with Renesas solution + PCC LD (HF + Windows 7)	KU.0080D.055
	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A5SH LF+HF W/O bezel SATA With TI + Rohm Solution (HF + Windows 7)	KU.0080F.014
	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)	KU.0080E.027
	ODD BEZEL - SUPER MULTI	60.R6Z07.008
	ODD BRACKET	33.PUM07.001
HDD/HARD DISK DRIVE		
	HDD SEAGATE 2.5" 5400rpm 160GB ST9160314AS,9HH13C-189, Seagate(new pcb) SATA 8MB LF F/W:0001SDM1	KH.16001.045
	HDD TOSHIBA 2.5" 5400rpm 160GB MK1665GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ001J	KH.16004.008
	HDD SEAGATE 2.5" 5400rpm 250GB ST9250315AS, 9HH132-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.25001.019
	HDD SEAGATE 2.5" 5400rpm 320GB ST9320310AS,9RN132-188, Cameron 320G/P SATA 8MB LF F/W:0001SDM1	KH.32001.019
	HDD TOSHIBA 2.5" 5400rpm 320GB Capricorn BS ,MK3265GSX SATA 8MB LF F/W:GJ001J	KH.32004.004
	HDD WD 2.5" 5400rpm 320GB WD3200BPVT-22ZEST0, ML320S, 4K drive SATA 8MB LF F/W: 01.01A01	KH.32008.022
	HDD SEAGATE 2.5" 5400rpm 500GB ST9500325AS,9HH134-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.50001.017
	HDD TOSHIBA 2.5" 5400rpm 500GB MK5065GSX,Capricorn BS, 320G/P SATA 8MB LF F/W:GJ001J	KH.50004.002
	HDD TOSHIBA 2.5" 5400rpm 640GB MK6465GSX,Capricorn BS,320G/P SATA 8MB LF F/W:GJ002J	KH.64004.001
	HDD WD 2.5" 5400rpm 750GB WD7500BPVT-22HXZT1, ML375M, 4K drive SATA 8MB LF F/W:01.01A01	KH.75008.009
	HDD HGST 2.5" 5400rpm 160GB HTS545016B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.16007.026

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22A23T0 , WD, ML320S SATA 8MB LF F/W:01.01A01	KH.16008.027
	HDD TOSHIBA 2.5" 5400rpm 250GB MK2565GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ001J	KH.25004.005
	HDD HGST 2.5" 5400rpm 250GB HTS545025B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.25007.016
	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22A23T0, WD, ML320S SATA 8MB LF F/W:01.01A01.	KH.25008.025
	HDD HGST 2.5" 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.32007.008
	HDD HGST 2.5" 5400rpm 500GB HTS545050B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.50007.010
	HDD WD 2.5" 5400rpm 500GB WD5000BEVT-22A0RT0, ML320M,WD SATA 8MB LF F/W:01.01A01	KH.50008.017
	HDD WD 2.5" 5400rpm 640GB WD6400BEVT-22A0RT0, ML320 SATA 8MB LF F/W:01.01A01	KH.64008.004
	HDD FRONT BRACKET	33.R6Z07.003
	HDD BRACKET	33.R6Z07.002
KEYBOARD		
	Keyboard ACER AC4T_A10B AC4T 86KS Black Arabic Texture	KB.I140A.204
	Keyboard ACER AC4T_A10B AC4T 87KS Black Belgium Texture	KB.I140A.205
	Keyboard ACER AC4T_A10B AC4T 87KS Black Brazilian Portuguese Texture	KB.I140A.206
	Keyboard ACER AC4T_A10B AC4T 87KS Black CZ/SK Texture	KB.I140A.207
	Keyboard ACER AC4T_A10B AC4T 86KS Black Chinese Texture	KB.I140A.208
	Keyboard ACER AC4T_A10B AC4T 87KS Black Danish Texture	KB.I140A.209
	Keyboard ACER AC4T_A10B AC4T 87KS Black FR/Arabic Texture	KB.I140A.210
	Keyboard ACER AC4T_A10B AC4T 87KS Black French Texture	KB.I140A.211
	Keyboard ACER AC4T_A10B AC4T 87KS Black German Texture	KB.I140A.212
	Keyboard ACER AC4T_A10B AC4T 86KS Black Greek Texture	KB.I140A.213
	Keyboard ACER AC4T_A10B AC4T 87KS Black Hungarian Texture	KB.I140A.214
	Keyboard ACER AC4T_A10B AC4T 87KS Black Italian Texture	KB.I140A.215
	Keyboard ACER AC4T_A10B AC4T 91KS Black Japanese Texture	KB.I140A.216
	Keyboard ACER AC4T_A10B AC4T 86KS Black Korean Texture	KB.I140A.217

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
	Keyboard ACER AC4T_A10B AC4T 87KS Black Nordic Texture	KB.I140A.218
	Keyboard ACER AC4T_A10B AC4T 87KS Black Norwegian Texture	KB.I140A.219
	Keyboard ACER AC4T_A10B AC4T 87KS Black Portuguese Texture	KB.I140A.220
	Keyboard ACER AC4T_A10B AC4T 86KS Black Russian Texture	KB.I140A.221
	Keyboard ACER AC4T_A10B AC4T 87KS Black SLO/CRO Texture	KB.I140A.222
	Keyboard ACER AC4T_A10B AC4T 87KS Black Spanish Texture	KB.I140A.223
	Keyboard ACER AC4T_A10B AC4T 87KS Black Sweden Texture	KB.I140A.224
	Keyboard ACER AC4T_A10B AC4T 87KS Black Swiss/G Texture	KB.I140A.225
	Keyboard ACER AC4T_A10B AC4T 86KS Black Thailand Texture	KB.I140A.226
	Keyboard ACER AC4T_A10B AC4T 87KS Black Turkish Texture	KB.I140A.227
	Keyboard ACER AC4T_A10B AC4T 87KS Black UK Texture	KB.I140A.228
	Keyboard ACER AC4T_A10B AC4T 86KS Black US International Texture	KB.I140A.229
	Keyboard ACER AC4T_A10B AC4T 86KS Black US International w/ Hebrew Texture	KB.I140A.230
	Keyboard ACER AC4T_A10B AC4T 87KS Black US w/ Canadian French Texture	KB.I140A.231
LCD		
	LCD MODULE 14" LED GLARE IMR W/CCD, ANTENNA*2 - BLACK	6M.R7607.002
	LED LCD LPL 14" WXGA Glare LP140WH1-TLA2 LF 220nit 8ms 500:1	LK.14008.004
	LED LCD SAMSUNG 14" WXGA Glare LTN140AT01-G03 LF 220nit 8ms 500:1	LK.14006.011
	LED LCD CMI 14" WXGA Glare BT140GW01 V6 LF 220nit 8ms 600:1	LK.1400D.008
	LCD COVER W/ ANT - IMR BLACK	60.R6Z07.009
	ANTENNA - WIMAX	50.R6Z07.002
	LCD BEZEL FOR CCD	60.R6Z07.010

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
	LCD BRACKET W/ HINGE - L	33.R6Z07.004
	LCD BRACKET W/ HINGE - R	33.R6Z07.005
	LCD CABLE	50.R6Z07.004
	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
	Suyin 1.3M SY9665SN	AM.21400.068
	Liteon 1.3M LT9665AL (09P2SF119)	AM.21400.069
LCD		
	LCD MODULE 14" LED GLARE IMR W/CCD, ANTENNA*2 - BROWN	6M.R7607.003
	LED LCD LPL 14" WXGA Glare LP140WH1-TLA2 LF 220nit 8ms 500:1	LK.14008.004
	LED LCD SAMSUNG 14" WXGA Glare LTN140AT01-G03 LF 220nit 8ms 500:1	LK.14006.011
	LED LCD AUO 14" WXGA Glare B140XW01 V8 0A LF 220nit 8ms 500:1 (power saving)	LK.14005.010
	LED LCD CMI 14" WXGA Glare BT140GW01 V6 LF 220nit 8ms 600:1	LK.1400D.008
	LCD COVER W/ ANT - IMR BROWN	60.R6Z07.011
	ANTENNA - WIMAX	50.R6Z07.002
	LCD BEZEL FOR CCD	60.R6Z07.010
	LCD BRACKET W/ HINGE - L	33.R6Z07.004
	LCD BRACKET W/ HINGE - R	33.R6Z07.005
	LCD CABLE	50.R6Z07.004
	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
	Suyin 1.3M SY9665SN	AM.21400.068
	Liteon 1.3M LT9665AL (09P2SF119)	AM.21400.069
LCD		
	LCD MODULE 14" LED GLARE IMR W/CCD, ANTENNA*2 - RED	6M.R7607.004
	LED LCD LPL 14" WXGA Glare LP140WH1-TLA2 LF 220nit 8ms 500:1	LK.14008.004
	LED LCD SAMSUNG 14" WXGA Glare LTN140AT01-G03 LF 220nit 8ms 500:1	LK.14006.011
	LED LCD AUO 14" WXGA Glare B140XW01 V8 0A LF 220nit 8ms 500:1 (power saving)	LK.14005.010
	LED LCD CMI 14" WXGA Glare BT140GW01 V6 LF 220nit 8ms 600:1	LK.1400D.008
	LCD COVER W/ ANT - IMR RED	60.R6Z07.012
	ANTENNA - WIMAX	50.R6Z07.002
	LCD BEZEL FOR CCD	60.R6Z07.010
	LCD BRACKET W/ HINGE - L	33.R6Z07.004

Downloaded from www.Manualslib.com manuals search engine

Category	Description	P/N
	LCD BRACKET W/ HINGE - R	33.R6Z07.005
	LCD CABLE	50.R6Z07.004
	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
	Suyin 1.3M SY9665SN	AM.21400.068
	Liteon 1.3M LT9665AL (09P2SF119)	AM.21400.069
MAINBOARD		
	MAIN BOARD DIS AMD PARK, W/CARD READER,MIC	MB.R6306.001
	MAIN BOARD UMA AMD, W/CARD READER,MIC	MB.R6206.001
MEMORY		
	Memory KINGSTON SO-DIMM DDRIII 1333 1GB ACR128X64D3S1333C9 LF 128*8 0.065um	KN.1GB07.004
	Memory SAMSUNG SO-DIMM DDRIII 1333 1GB M471B2873FHS-CH9 LF 128*8 46nm	KN.1GB0B.035
	Memory HYNIX SO-DIMM DDRIII 1333 1GB HMT112S6TFR8C-H9 LF 128*8 0.055um	KN.1GB0G.026
	Memory UNIFOSA SO-DIMM DDRIII 1333 1GB GU672203EP0200 LF 128*8 0.065um	KN.1GB0H.017
	Memory KINGSTON SO-DIMM DDRIII 1333 2GB ACR256X64D3S1333C9 LF 128*8 0.065um	KN.2GB07.004
	Memory ELPIDA SO-DIMM DDRIII 1333 2GB EBJ21UE8BFU0-DJ-F LF 128*8 0.065um	KN.2GB09.009
	Memory SAMSUNG SO-DIMM DDRIII 1333 2GB M471B5673FH0-CH9 LF 128*8 46nm	KN.2GB0B.023
	Memory SAMSUNG SO-DIMM DDRIII 1333 2GB M471B5773CHS-CH9 LF 256*8 46nm	KN.2GB0B.026
	Memory HYNIX SO-DIMM DDRIII 1333 2GB HMT125S6TFR8C-H9 LF 128*8 0.055um	KN.2GB0G.016
	Memory ELPIDA SO-DIMM DDRIII 1333 1GB EBJ10UE8BDS0-DJ-F LF 128*8 0.065um	KN.1GB09.015
HEATSINK		
	THERMAL MODULE 35W - UMA	60.R7607.001
	THERMAL MODULE 35W - DIS	60.R7607.002
MISCELLANEOUS		
	RUBBER FOOT - REAR	47.PSR07.003
	LCD RUBBER - UP	47.R6Z07.001
	LCD RUBBER - MID	47.R6Z07.002
	LOWER CASE RUBBER FOOT - F	47.PSR07.001
	TP PROTECT MYLAR	47.R6Z07.004
	LCD SCREW MYLAR	47.R6Z07.003

Downloaded from www.Manualslib.com manuals search engine

Screw List

CATEGORY	PARTNAME	ACERPARTNO.
SCREW		
	SCREW M2-0.4*2-I(BNI)(NYLOK)IRON	86.W4107.002
	SCREW M2.0*3.95-I(BNI)(NYLOK)	86.R6Z07.002
	SCREW M2.0*3.0-I(BKAG)(NYLOK IRON	86.ARE07.002
	SCREW M3*0.5+3.5I	86.N1407.007
	SCREW M2.5*4.0-I(NI)(NYLOK)	86.R6Z07.001
	SCREW M2.0*5-I(NI)(NYLOK)	86.T23V7.010
	SCREW M2.5*4.0-I(BKAG)(NYLOK)IRON	86.PSR07.001
	SCREW M2.5*6.5-I(BZN(NYLOK-RED)	86.ARE07.001
	SCREW M2.5*5-I(ZN/B)	86.NBG07.001

Downloaded from www.Manualslib.com manuals search engine

Model Definition and Configuration

Aspire 4252

Model	RO	Country	Acer Part No	Description
AS4252-141G32Mnkk	PA	ACLA-Spain	LX.R64 08.002	AS4252-141G32Mnkk EM W7ST32EMASEA3 MC UMACkk_3 1*1G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-141G32Mnkk	PA	ACLA-Spain	LX.R64 08.003	AS4252-141G32Mnkk EM W7ST32EMASEA1 MC UMACkk_3 1*1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-141G32Mnkk	PA	ACLA-Spain	LX.R64 08.004	AS4252-141G32Mnkk EM W7ST32EMASEA4 MC UMACkk_3 1*1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_EN31
AS4252-141G32Mnkk	PA	Chile	LX.R64 08.005	AS4252-141G32Mnkk EM W7ST32EMASCL3 MC UMACkk_3 1*1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-141G32Mnkk	AAP	Thailand	LX.R64 0C.001	AS4252-141G32Mnkk LINPUSATH1 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4252-142G25Mnkk	PA	ACLA-Spain	LX.R64 0C.002	AS4252-142G25Mnkk LINPUSAEA1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_HG_EN62
AS4252-142G32Mnkk	PA	ACLA-Spain	LX.R64 08.001	AS4252-142G32Mnkk EM W7ST32EMASEA1 MC UMACkk_3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-142G32Mnkk	PA	ACLA-Spain	LX.R64 08.006	AS4252-142G32Mnkk EM W7ST32EMASEA3 MC UMACkk_3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-142G32Mnkk	PA	ACLA-Spain	LX.R64 08.007	AS4252-142G32Mnkk EM W7ST32EMASEA1 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-142G32Mnkk	PA	Chile	LX.R64 08.008	AS4252-142G32Mnkk EM W7ST32EMASCL3 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4252-144G50Mncc	WW	GCTWN	S2.R76 02.001	AS4252-144G50Mncc W7HP64ASWW1 MC UMACcc_3 2*2G/500_L/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4252-144G50Mnkk	WW	GCTWN	S2.R64 02.001	AS4252-144G50Mnkk W7HP64ASWW1 MC UMACkk_3 2*2G/500_L/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4252-144G75Mnrr	WW	GCTWN	S2.R77 02.001	AS4252-144G75Mnrr W7HP64ASWW1 MC UMACrr_3 2*2G/750/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.002	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.003	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.004	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-141G32Mnkk	Chile	LX.R6408.005	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-141G32Mnkk	Thailand	LX.R640C.001	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-142G25Mnkk	ACLA-Spain	LX.R640C.002	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.001	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.006	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.007	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-142G32Mnkk	Chile	LX.R6408.008	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-144G50Mncc	GCTWN	S2.R7602.001	AS4252_UMACcc_3	AMDV140	UMA	N
AS4252-144G50Mnkk	GCTWN	S2.R6402.001	AS4252_UMACkk_3	AMDV140	UMA	N
AS4252-144G75Mnrr	GCTWN	S2.R7702.001	AS4252_UMACrr_3	AMDV140	UMA	N

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.002	SO1GBIII10	N	N320GB5.4KS_4K
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.003	SO1GBIII10	N	N320GB5.4KS_4K
AS4252-141G32Mnkk	ACLA-Spain	LX.R6408.004	SO1GBIII10	N	N320GB5.4KS_4K
AS4252-141G32Mnkk	Chile	LX.R6408.005	SO1GBIII10	N	N320GB5.4KS_4K
AS4252-141G32Mnkk	Thailand	LX.R640C.001	SO1GBIII10	N	N320GB5.4KS
AS4252-142G25Mnkk	ACLA-Spain	LX.R640C.002	SO2GBIII10	N	N250GB5.4KS
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.001	SO2GBIII10	N	N320GB5.4KS_4K
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.006	SO2GBIII10	N	N320GB5.4KS_4K
AS4252-142G32Mnkk	ACLA-Spain	LX.R6408.007	SO2GBIII10	N	N320GB5.4KS_4K
AS4252-142G32Mnkk	Chile	LX.R6408.008	SO2GBIII10	N	N320GB5.4KS_4K

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4252-144G50Mncc	GCTWN	S2.R7602.001	SO2GBIII10	SO2GBIII10	N500GB5.4KS
AS4252-144G50Mnkk	GCTWN	S2.R6402.001	SO2GBIII10	SO2GBIII10	N500GB5.4KS
AS4252-144G75Mnrr	GCTWN	S2.R7702.001	SO2GBIII10	SO2GBIII10	N750GB5.4KS

Aspire 4552

Model	RO	Country	Acer Part No	Description
AS4552-N351G50Mnkk	AAP	Thailand	LX.R62 0C.012	AS4552-N351G50Mnkk LINPUSATH4 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552-N351G50Mnkk	AAP	Thailand	LX.R62 0C.013	AS4552-N351G50Mnkk LINPUSATH3 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-N351G50Mnkk	AAP	Thailand	LX.R62 0C.014	AS4552-N351G50Mnkk LINPUSATH1 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552-N954G75Mnrr	WW	GCTWN	S2.R7A 02.002	AS4552-N954G75Mnrr W7HP64ASWW1 MC UMACrr_3 2*2G/750/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552-P321G32Mncc	AAP	Malaysia	LX.R78 0C.003	AS4552-P321G32Mncc LINPUSAMY1 UMACcc_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P321G32Mnkk	AAP	Malaysia	LX.R62 0C.016	AS4552-P321G32Mnkk LINPUSAMY1 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P322G32Mncc	AAP	Malaysia	LX.R78 02.002	AS4552-P322G32Mncc EM W7HP64EMASMY1 MC UMACcc_3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552-P322G32Mnkk	AAP	Malaysia	LX.R62 02.003	AS4552-P322G32Mnkk EM W7HP64EMASMY1 MC UMACkk_3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552-P341G32Mncc	AAP	Indonesia	LX.R78 0C.001	AS4552-P341G32Mncc LINPUSAID1 UMACcc_3 1*1G/320/6L2.2/2R/CB_bgn_1.3C_HG_ID22
AS4552-P341G32Mncc	AAP	Malaysia	LX.R78 0C.002	AS4552-P341G32Mncc LINPUSAMY1 UMACcc_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P341G32Mnkk	AAP	Indonesia	LX.R62 0C.007	AS4552-P341G32Mnkk LINPUSAID1 UMACkk_3 1*1G/320/6L2.2/2R/CB_bgn_1.3C_HG_ID22
AS4552-P341G32Mnkk	AAP	Malaysia	LX.R62 0C.008	AS4552-P341G32Mnkk LINPUSAMY1 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P341G32Mnkk	AAP	Thailand	LX.R62 0C.004	AS4552-P341G32Mnkk LINPUSATH4 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552-P341G32Mnkk	AAP	Thailand	LX.R62 0C.005	AS4552-P341G32Mnkk LINPUSATH3 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P341G32Mnkk	AAP	Thailand	LX.R62 0C.006	AS4552-P341G32Mnkk LINPUSATH1 UMACkk_3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552-P341G50Mnkk	AAP	Thailand	LX.R62 0C.009	AS4552-P341G50Mnkk LINPUSATH4 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552-P341G50Mnkk	AAP	Thailand	LX.R62 0C.010	AS4552-P341G50Mnkk LINPUSATH3 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P341G50Mnkk	AAP	Thailand	LX.R62 0C.011	AS4552-P341G50Mnkk LINPUSATH1 UMACkk_3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51

Downloaded from www.Manualslib.com manuals search engine

Model	RO	Country	Acer Part No	Description
AS4552-P342G25Mnkk	PA	ACLA-Spain	LX.R62 0C.017	AS4552-P342G25Mnkk LINPUSAEA1 UMACkk_3 1*2G/250/6L2.2/2R/CB_bgn_1.3C_HG_EN62
AS4552-P342G32Mncc	AAP	Malaysia	LX.R78 02.001	AS4552-P342G32Mncc EM W7HP64EMASMY1 MC UMACcc_3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552-P342G32Mnkk	PA	ACLA-Spain	LX.R62 01.001	AS4552-P342G32Mnkk EM W7HB64EMASEA1 MC UMACkk_3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	PA	ACLA-Spain	LX.R62 01.002	AS4552-P342G32Mnkk EM W7HB64EMASEA3 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	PA	ACLA-Spain	LX.R62 01.003	AS4552-P342G32Mnkk EM W7HB64EMASEA4 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_EN31
AS4552-P342G32Mnkk	PA	ACLA-Spain	LX.R62 08.001	AS4552-P342G32Mnkk EM W7ST32EMASEA3 MC UMACkk_3 1*2G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	PA	ACLA-Spain	LX.R62 08.002	AS4552-P342G32Mnkk EM W7ST32EMASEA1 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	PA	Chile	LX.R62 01.004	AS4552-P342G32Mnkk EM W7HB64EMASCL3 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	PA	Chile	LX.R62 08.003	AS4552-P342G32Mnkk EM W7ST32EMASCL3 MC UMACkk_3 1*2G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P342G32Mnkk	AAP	Malaysia	LX.R62 02.002	AS4552-P342G32Mnkk EM W7HP64EMASMY1 MC UMACkk_3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552-P342G32Mnkk	AAP	Thailand	LX.R62 02.001	AS4552-P342G32Mnkk EM W7HP64EMATTH1 MC UMACkk_3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH41
AS4552-P343G32Mnkk	PA	ACLA-Spain	LX.R62 02.004	AS4552-P343G32Mnkk EM W7HP64EMASEA1 MC UMACkk_3 2G+1G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P343G32Mnkk	PA	ACLA-Spain	LX.R62 02.006	AS4552-P343G32Mnkk EM W7HP64EMASEA3 MC UMACkk_3 2G+1G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P343G32Mnkk	PA	ACLA-Spain	LX.R62 02.007	AS4552-P343G32Mnkk EM W7HP64EMASEA1 MC UMACkk_3 2G+1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P343G32Mnkk	PA	ACLA-Spain	LX.R62 0C.015	AS4552-P343G32Mnkk LINPUSAEA1 UMACkk_3 2G+1G/320/6L2.2/2R/CB_bgn_1.3C_HG_EN62
AS4552-P343G32Mnkk	PA	Chile	LX.R62 02.008	AS4552-P343G32Mnkk EM W7HP64EMASCL3 MC UMACkk_3 2G+1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P344G16Mnkk	WW	WW	S2.R62 02.001	AS4552-P344G16Mnkk W7HP64ASWW1 MC UMACkk_3 2*2G/160/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES62
AS4552-P346G64Mncc	WW	GCTWN	S2.R78 0C.001	AS4552-P346G64Mncc LINPUSAWW1 UMACcc_3 2G+4G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_ENX1

Downloaded from www.Manualslib.com manuals search engine

Model	RO	Country	Acer Part No	Description
AS4552-P541G32Mnrr	AAP	Indonesia	LX.R7A0C.001	AS4552-P541G32Mnrr LINPUSAID1 UMACrr_3 1*1G/320/6L2.2/2R/CB_bgn_1.3C_HG_ID22
AS4552-P542G25Mnkk	WW	WW	S2.R6202.002	AS4552-P542G25Mnkk W7HP64ASWW1 MC UMACkk_3 2*1G/250/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES62
AS4552-P542G64Mnkk	AAP	Thailand	LX.R620C.001	AS4552-P542G64Mnkk LINPUSATH4 UMACkk_3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552-P542G64Mnkk	AAP	Thailand	LX.R620C.002	AS4552-P542G64Mnkk LINPUSATH3 UMACkk_3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552-P542G64Mnkk	AAP	Thailand	LX.R620C.003	AS4552-P542G64Mnkk LINPUSATH1 UMACkk_3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552-P543G32Mnkk	PA	ACLA-Spain	LX.R6202.009	AS4552-P543G32Mnkk EM W7HP64EMASEA3 MC UMACkk_3 2G+1G/320/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P543G32Mnkk	PA	ACLA-Spain	LX.R6202.010	AS4552-P543G32Mnkk EM W7HP64EMASEA1 MC UMACkk_3 2G+1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P543G32Mnkk	PA	Chile	LX.R6202.011	AS4552-P543G32Mnkk EM W7HP64EMASCL3 MC UMACkk_3 2G+1G/320_5.4k_4k/6L2.2/2R/ CB_bgn_1.3C_HG_ES51
AS4552-P544G50Mnkk	PA	USA	LX.R6202.005	AS4552-P544G50Mnkk W7HP64ASUS1 MC UMACkk_3 2*2G/500_L/6L2.2/2R/ CB_bgn_1.3C_HG_FRB1
AS4552-P548G75Mnrr	WW	GCTWN	S2.R7A02.001	AS4552-P548G75Mnrr W7HP64ASWW1 MC UMACrr_3 2*4G/750/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552-N351G50Mnkk	Thailand	LX.R620C.012	AS4552_UMACkk_3	AAN350	UMA	N
AS4552-N351G50Mnkk	Thailand	LX.R620C.013	AS4552_UMACkk_3	AAN350	UMA	N
AS4552-N351G50Mnkk	Thailand	LX.R620C.014	AS4552_UMACkk_3	AAN350	UMA	N
AS4552-N954G75Mnrr	GCTWN	S2.R7A02.002	AS4552_UMACrr_3	APN950	UMA	N
AS4552-P321G32Mncc	Malaysia	LX.R780C.003	AS4552_UMACcc_3	AAP320	UMA	N
AS4552-P321G32Mnkk	Malaysia	LX.R620C.016	AS4552_UMACkk_3	AAP320	UMA	N
AS4552-P322G32Mncc	Malaysia	LX.R7802.002	AS4552_UMACcc_3	AAP320	UMA	N
AS4552-P322G32Mnkk	Malaysia	LX.R6202.003	AS4552_UMACkk_3	AAP320	UMA	N
AS4552-P341G32Mncc	Indonesia	LX.R780C.001	AS4552_UMACcc_3	AAP340	UMA	N
AS4552-P341G32Mncc	Malaysia	LX.R780C.002	AS4552_UMACcc_3	AAP340	UMA	N

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552-P341G32Mnkk	Indonesia	LX.R620C.007	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G32Mnkk	Malaysia	LX.R620C.008	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G32Mnkk	Thailand	LX.R620C.004	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G32Mnkk	Thailand	LX.R620C.005	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G32Mnkk	Thailand	LX.R620C.006	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G50Mnkk	Thailand	LX.R620C.009	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G50Mnkk	Thailand	LX.R620C.010	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P341G50Mnkk	Thailand	LX.R620C.011	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G25Mnkk	ACLA-Spain	LX.R620C.017	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mncc	Malaysia	LX.R7802.001	AS4552_UMA Ccc_3	AAP340	UMA	N
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.001	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.002	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.003	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6208.001	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6208.002	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	Chile	LX.R6201.004	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	Chile	LX.R6208.003	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	Malaysia	LX.R6202.002	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P342G32Mnkk	Thailand	LX.R6202.001	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.004	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.006	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.007	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P343G32Mnkk	ACLA-Spain	LX.R620C.015	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P343G32Mnkk	Chile	LX.R6202.008	AS4552_UMA Ckk_3	AAP340	UMA	N

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552-P344G16Mnkk	WW	S2.R6202.001	AS4552_UMA Ckk_3	AAP340	UMA	N
AS4552-P346G64Mncc	GCTWN	S2.R780C.001	AS4552_UMA Ccc_3	AAP340	UMA	N
AS4552-P541G32Mnrr	Indonesia	LX.R7A0C.001	AS4552_UMA Crr_3	ATP540	UMA	N
AS4552-P542G25Mnkk	WW	S2.R6202.002	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P542G64Mnkk	Thailand	LX.R620C.001	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P542G64Mnkk	Thailand	LX.R620C.002	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P542G64Mnkk	Thailand	LX.R620C.003	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P543G32Mnkk	ACLA-Spain	LX.R6202.009	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P543G32Mnkk	ACLA-Spain	LX.R6202.010	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P543G32Mnkk	Chile	LX.R6202.011	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P544G50Mnkk	USA	LX.R6202.005	AS4552_UMA Ckk_3	ATP540	UMA	N
AS4552-P548G75Mnrr	GCTWN	S2.R7A02.001	AS4552_UMA Crr_3	ATP540	UMA	N

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4552-N351G50Mnkk	Thailand	LX.R620C.012	SO1GBIII10	N	N500GB5.4KS
AS4552-N351G50Mnkk	Thailand	LX.R620C.013	SO1GBIII10	N	N500GB5.4KS
AS4552-N351G50Mnkk	Thailand	LX.R620C.014	SO1GBIII10	N	N500GB5.4KS
AS4552-N954G75Mnrr	GCTWN	S2.R7A02.002	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552-P321G32Mncc	Malaysia	LX.R780C.003	SO1GBIII10	N	N320GB5.4KS
AS4552-P321G32Mnkk	Malaysia	LX.R620C.016	SO1GBIII10	N	N320GB5.4KS
AS4552-P322G32Mncc	Malaysia	LX.R7802.002	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P322G32Mnkk	Malaysia	LX.R6202.003	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P341G32Mncc	Indonesia	LX.R780C.001	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G32Mncc	Malaysia	LX.R780C.002	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G32Mnkk	Indonesia	LX.R620C.007	SO1GBIII10	N	N320GB5.4KS

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4552-P341G32Mnkk	Malaysia	LX.R620C.008	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G32Mnkk	Thailand	LX.R620C.004	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G32Mnkk	Thailand	LX.R620C.005	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G32Mnkk	Thailand	LX.R620C.006	SO1GBIII10	N	N320GB5.4KS
AS4552-P341G50Mnkk	Thailand	LX.R620C.009	SO1GBIII10	N	N500GB5.4KS
AS4552-P341G50Mnkk	Thailand	LX.R620C.010	SO1GBIII10	N	N500GB5.4KS
AS4552-P341G50Mnkk	Thailand	LX.R620C.011	SO1GBIII10	N	N500GB5.4KS
AS4552-P342G25Mnkk	ACLA-Spain	LX.R620C.017	SO2GBIII10	N	N250GB5.4KS
AS4552-P342G32Mncc	Malaysia	LX.R7802.001	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.001	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.002	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6201.003	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6208.001	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	ACLA-Spain	LX.R6208.002	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	Chile	LX.R6201.004	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	Chile	LX.R6208.003	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	Malaysia	LX.R6202.002	SO2GBIII10	N	N320GB5.4KS_4K
AS4552-P342G32Mnkk	Thailand	LX.R6202.001	SO2GBIII10	N	N320GB5.4KS
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.004	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.006	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P343G32Mnkk	ACLA-Spain	LX.R6202.007	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P343G32Mnkk	ACLA-Spain	LX.R620C.015	SO2GBIII10	SO1GBIII10	N320GB5.4KS
AS4552-P343G32Mnkk	Chile	LX.R6202.008	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P344G16Mnkk	WW	S2.R6202.001	SO2GBIII10	SO2GBIII10	N160GB5.4KS
AS4552-P346G64Mncc	GCTWN	S2.R780C.001	SO2GBIII10	SO4GBIII10	N640GB5.4KS

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4552-P541G32Mnrr	Indonesia	LX.R7A0C.001	SO1GBIII10	N	N320GB5.4KS
AS4552-P542G25Mnkk	WW	S2.R6202.002	SO1GBIII10	SO1GBIII10	N250GB5.4KS
AS4552-P542G64Mnkk	Thailand	LX.R620C.001	SO2GBIII10	N	N640GB5.4KS
AS4552-P542G64Mnkk	Thailand	LX.R620C.002	SO2GBIII10	N	N640GB5.4KS
AS4552-P542G64Mnkk	Thailand	LX.R620C.003	SO2GBIII10	N	N640GB5.4KS
AS4552-P543G32Mnkk	ACLA-Spain	LX.R6202.009	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P543G32Mnkk	ACLA-Spain	LX.R6202.010	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P543G32Mnkk	Chile	LX.R6202.011	SO2GBIII10	SO1GBIII10	N320GB5.4KS_4K
AS4552-P544G50Mnkk	USA	LX.R6202.005	SO2GBIII10	SO2GBIII10	N500GB5.4KS
AS4552-P548G75Mnrr	GCTWN	S2.R7A02.001	SO4GBIII10	SO4GBIII10	N750GB5.4KS

Aspire 4552G

Model	RO	Country	Acer Part No	Description
AS4552G-N351G50Mnkk	AAP	Thailand	LX.R630C.012	AS4552G-N351G50Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N351G50Mnkk	AAP	Thailand	LX.R630C.013	AS4552G-N351G50Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552G-N351G50Mnkk	AAP	Thailand	LX.R630C.014	AS4552G-N351G50Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552G-N852G64Mncc	AAP	Thailand	LX.R7B0C.004	AS4552G-N852G64Mncc LINPUSATH4 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N852G64Mncc	AAP	Thailand	LX.R7B0C.005	AS4552G-N852G64Mncc LINPUSATH3 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552G-N852G64Mncc	AAP	Thailand	LX.R7B0C.006	AS4552G-N852G64Mncc LINPUSATH1 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552G-N852G64Mnkk	AAP	Thailand	LX.R630C.005	AS4552G-N852G64Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N852G64Mnkk	AAP	Thailand	LX.R630C.006	AS4552G-N852G64Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11

Downloaded from www.Manualslib.com manuals search engine

Model	RO	Country	Acer Part No	Description
AS4552G-N852G64Mnkk	AAP	Thailand	LX.R630C.007	AS4552G-N852G64Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH51
AS4552G-N932G32Mnkk	AAP	Philippines	LX.R630C.011	AS4552G-N932G32Mnkk LINPUSAPH1 PARK_XT512Ckk_3V3 1*2G/320/BT/6L2.2/2R/ CB_bgn_1.3C_HG_EN11
AS4552G-N952G64Mncc	AAP	Thailand	LX.R7B0C.001	AS4552G-N952G64Mncc LINPUSATH4 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552G-N952G64Mncc	AAP	Thailand	LX.R7B0C.002	AS4552G-N952G64Mncc LINPUSATH3 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_EN11
AS4552G-N952G64Mncc	AAP	Thailand	LX.R7B0C.003	AS4552G-N952G64Mncc LINPUSATH1 PARK_XT512Ccc_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH51
AS4552G-N952G64Mnkk	AAP	Thailand	LX.R630C.002	AS4552G-N952G64Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552G-N952G64Mnkk	AAP	Thailand	LX.R630C.003	AS4552G-N952G64Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_EN11
AS4552G-N952G64Mnkk	AAP	Thailand	LX.R630C.004	AS4552G-N952G64Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH51
AS4552G-N952G64Mnrr	AAP	Thailand	LX.R7C0C.001	AS4552G-N952G64Mnrr LINPUSATH1 PARK_XT512Crr_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH51
AS4552G-N952G64Mnrr	AAP	Thailand	LX.R7C0C.002	AS4552G-N952G64Mnrr LINPUSATH4 PARK_XT512Crr_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61
AS4552G-N952G64Mnrr	AAP	Thailand	LX.R7C0C.003	AS4552G-N952G64Mnrr LINPUSATH3 PARK_XT512Crr_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_EN11
AS4552G-N954G50Mncc	WW	GCTWN	S2.R7B02.001	AS4552G-N954G50Mncc W7HP64ASWW1 MC PARK_XT512Ccc_3V3 2*2G/500_L/BT/6L2.2/ 2R/CB_bgn_1.3C_HG_ES61
AS4552G-N954G75Mncc	AAP	Thailand	LX.R7B02.001	AS4552G-N954G75Mncc EM W7HP64EMASTH4 MC PARK_XT512Ccc_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N954G75Mncc	AAP	Thailand	LX.R7B02.002	AS4552G-N954G75Mncc EM W7HP64EMASTH3 MC PARK_XT512Ccc_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N954G75Mncc	AAP	Thailand	LX.R7B02.003	AS4552G-N954G75Mncc EM W7HP64EMASTH1 MC PARK_XT512Ccc_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH71
AS4552G-N954G75Mnkk	AAP	Thailand	LX.R6302.003	AS4552G-N954G75Mnkk EM W7HP64EMASTH1 MC PARK_XT512Ckk_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH71
AS4552G-N954G75Mnrr	WW	GCTWN	S2.R7C02.001	AS4552G-N954G75Mnrr W7HP64ASWW1 MC PARK_XT512Crr_3V3 2*2G/750/BT/6L2.2/2R/ CB_bgn_1.3C_HG_ES61

Downloaded from www.Manualslib.com manuals search engine

Model	RO	Country	Acer Part No	Description
AS4552G-N954G75Mnrr	AAP	Thailand	LX.R7C02.001	AS4552G-N954G75Mnrr EM W7HP64EMASTH4 MC PARK_XT512Crr_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N954G75Mnrr	AAP	Thailand	LX.R7C02.002	AS4552G-N954G75Mnrr EM W7HP64EMASTH3 MC PARK_XT512Crr_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-N954G75Mnrr	AAP	Thailand	LX.R7C02.003	AS4552G-N954G75Mnrr EM W7HP64EMASTH1 MC PARK_XT512Crr_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH71
AS4552G-P341G32Mnkk	AAP	Thailand	LX.R630C.018	AS4552G-P341G32Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-P341G32Mnkk	AAP	Thailand	LX.R630C.019	AS4552G-P341G32Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552G-P341G32Mnkk	AAP	Thailand	LX.R630C.020	AS4552G-P341G32Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*1G/320/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552G-P341G50Mnkk	AAP	Thailand	LX.R630C.015	AS4552G-P341G50Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-P341G50Mnkk	AAP	Thailand	LX.R630C.016	AS4552G-P341G50Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552G-P341G50Mnkk	AAP	Thailand	LX.R630C.017	AS4552G-P341G50Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*1G/500_L/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH51
AS4552G-P342G32Mncc	CHINA	China	LX.R7B0C.007	AS4552G-P342G32Mncc LINPUSACN1 PARK_XT512Ccc_3V3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_HG_EN91
AS4552G-P342G32Mnkk	CHINA	China	LX.R630C.001	AS4552G-P342G32Mnkk LINPUSACN1 PARK_XT512Ckk_3V3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_HG_EN91
AS4552G-P342G32Mnrr	CHINA	China	LX.R7C0C.004	AS4552G-P342G32Mnrr LINPUSACN1 PARK_XT512Crr_3V3 1*2G/320/6L2.2/2R/CB_bgn_1.3C_HG_EN91
AS4552G-P344G50Mnkk	WW	WW	S2.R630C.001	AS4552G-P344G50Mnkk LINPUSAWW1 PARK_XTCkk_3V3 2*2G/500_L/6L2.2/2R/CB_bgn_1.3C_HG_EN11
AS4552G-P344G75Mnkk	WW	GCTWN	S2.R6302.002	AS4552G-P344G75Mnkk W7HP64ASWW1 MC PARK_XT512Ckk_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61
AS4552G-P344G75Mnkk	WW	WW	S2.R6302.001	AS4552G-P344G75Mnkk W7HP64ASWW1 MC PARK_XT512Ckk_3V3 2*2G/750/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES62
AS4552G-P542G64Mnkk	AAP	Thailand	LX.R6302.001	AS4552G-P542G64Mnkk EM W7HP64EMATTH1 MC PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH41
AS4552G-P542G64Mnkk	AAP	Thailand	LX.R630C.008	AS4552G-P542G64Mnkk LINPUSATH4 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_ES61

Downloaded from www.Manualslib.com manuals search engine

Model	RO	Country	Acer Part No	Description
AS4552G-P542G64Mnkk	AAP	Thailand	LX.R63 0C.009	AS4552G-P542G64Mnkk LINPUSATH3 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_EN11
AS4552G-P542G64Mnkk	AAP	Thailand	LX.R63 0C.010	AS4552G-P542G64Mnkk LINPUSATH1 PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/ CB_bgn_1.3C_HG_TH51
AS4552G-P842G64Mnkk	AAP	Thailand	LX.R63 02.002	AS4552G-P842G64Mnkk EM W7HP64EMATTH1 MC PARK_XT512Ckk_3V3 1*2G/640/BT/6L2.2/2R/CB_bgn_1.3C_HG_TH41

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552G-N351G50Mnkk	Thailand	LX.R63 0C.012	AS4552G_PARK _XT512Ckk_3V3	AAN350	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N351G50Mnkk	Thailand	LX.R63 0C.013	AS4552G_PARK _XT512Ckk_3V3	AAN350	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N351G50Mnkk	Thailand	LX.R63 0C.014	AS4552G_PARK _XT512Ckk_3V3	AAN350	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mncc	Thailand	LX.R7B 0C.004	AS4552G_PARK _XT512Ccc_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mncc	Thailand	LX.R7B 0C.005	AS4552G_PARK _XT512Ccc_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mncc	Thailand	LX.R7B 0C.006	AS4552G_PARK _XT512Ccc_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mnkk	Thailand	LX.R63 0C.005	AS4552G_PARK _XT512Ckk_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mnkk	Thailand	LX.R63 0C.006	AS4552G_PARK _XT512Ckk_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N852G64Mnkk	Thailand	LX.R63 0C.007	AS4552G_PARK _XT512Ckk_3V3	APN850	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N932G32Mnkk	Philippines	LX.R63 0C.011	AS4552G_PARK _XT512Ckk_3V3	APN930	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mncc	Thailand	LX.R7B 0C.001	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mncc	Thailand	LX.R7B 0C.002	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mncc	Thailand	LX.R7B 0C.003	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnkk	Thailand	LX.R63 0C.002	AS4552G_PARK _XT512Ckk_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnkk	Thailand	LX.R63 0C.003	AS4552G_PARK _XT512Ckk_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnkk	Thailand	LX.R63 0C.004	AS4552G_PARK _XT512Ckk_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnrr	Thailand	LX.R7C 0C.001	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnrr	Thailand	LX.R7C 0C.002	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N952G64Mnrr	Thailand	LX.R7C 0C.003	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552G-N954G50Mncc	GCTWN	S2.R7B 02.001	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mncc	Thailand	LX.R7B 02.001	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mncc	Thailand	LX.R7B 02.002	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mncc	Thailand	LX.R7B 02.003	AS4552G_PARK _XT512Ccc_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mnkk	Thailand	LX.R63 02.003	AS4552G_PARK _XT512Ckk_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mnrr	GCTWN	S2.R7C 02.001	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mnrr	Thailand	LX.R7C 02.001	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mnrr	Thailand	LX.R7C 02.002	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-N954G75Mnrr	Thailand	LX.R7C 02.003	AS4552G_PARK _XT512Crr_3V3	APN950	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G32Mnkk	Thailand	LX.R63 0C.018	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G32Mnkk	Thailand	LX.R63 0C.019	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G32Mnkk	Thailand	LX.R63 0C.020	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G50Mnkk	Thailand	LX.R63 0C.015	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G50Mnkk	Thailand	LX.R63 0C.016	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P341G50Mnkk	Thailand	LX.R63 0C.017	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P342G32Mncc	China	LX.R7B 0C.007	AS4552G_PARK _XT512Ccc_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P342G32Mnkk	China	LX.R63 0C.001	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P342G32Mnrr	China	LX.R7C 0C.004	AS4552G_PARK _XT512Crr_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P344G50Mnkk	WW	S2.R63 0C.001	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P344G75Mnkk	GCTWN	S2.R63 02.002	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P344G75Mnkk	WW	S2.R63 02.001	AS4552G_PARK _XT512Ckk_3V3	AAP340	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P542G64Mnkk	Thailand	LX.R63 02.001	AS4552G_PARK _XT512Ckk_3V3	ATP540	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P542G64Mnkk	Thailand	LX.R63 0C.008	AS4552G_PARK _XT512Ckk_3V3	ATP540	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P542G64Mnkk	Thailand	LX.R63 0C.009	AS4552G_PARK _XT512Ckk_3V3	ATP540	PARK_XT	512M-DDR3 (64*16*4)

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	BOM Name	CPU	VGA Chip	VRAM 1
AS4552G-P542G64Mnkk	Thailand	LX.R630C.010	AS4552G_PARK_XT512Ckk_3V3	ATP540	PARK_XT	512M-DDR3 (64*16*4)
AS4552G-P842G64Mnkk	Thailand	LX.R6302.002	AS4552G_PARK_XT512Ckk_3V3	APP840	PARK_XT	512M-DDR3 (64*16*4)

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4552G-N351G50Mnkk	Thailand	LX.R630C.012	SO1GBIII10	N	N500GB5.4KS
AS4552G-N351G50Mnkk	Thailand	LX.R630C.013	SO1GBIII10	N	N500GB5.4KS
AS4552G-N351G50Mnkk	Thailand	LX.R630C.014	SO1GBIII10	N	N500GB5.4KS
AS4552G-N852G64Mncc	Thailand	LX.R7B0C.004	SO2GBIII10	N	N640GB5.4KS
AS4552G-N852G64Mncc	Thailand	LX.R7B0C.005	SO2GBIII10	N	N640GB5.4KS
AS4552G-N852G64Mncc	Thailand	LX.R7B0C.006	SO2GBIII10	N	N640GB5.4KS
AS4552G-N852G64Mnkk	Thailand	LX.R630C.005	SO2GBIII10	N	N640GB5.4KS
AS4552G-N852G64Mnkk	Thailand	LX.R630C.006	SO2GBIII10	N	N640GB5.4KS
AS4552G-N852G64Mnkk	Thailand	LX.R630C.007	SO2GBIII10	N	N640GB5.4KS
AS4552G-N932G32Mnkk	Philippines	LX.R630C.011	SO2GBIII10	N	N320GB5.4KS
AS4552G-N952G64Mncc	Thailand	LX.R7B0C.001	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mncc	Thailand	LX.R7B0C.002	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mncc	Thailand	LX.R7B0C.003	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnkk	Thailand	LX.R630C.002	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnkk	Thailand	LX.R630C.003	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnkk	Thailand	LX.R630C.004	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnrr	Thailand	LX.R7C0C.001	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnrr	Thailand	LX.R7C0C.002	SO2GBIII10	N	N640GB5.4KS
AS4552G-N952G64Mnrr	Thailand	LX.R7C0C.003	SO2GBIII10	N	N640GB5.4KS
AS4552G-N954G50Mncc	GCTWN	S2.R7B02.001	SO2GBIII10	SO2GBIII10	N500GB5.4KS
AS4552G-N954G75Mncc	Thailand	LX.R7B02.001	SO2GBIII10	SO2GBIII10	N750GB5.4KS

Downloaded from www.Manualslib.com manuals search engine

Model	Country	Acer Part No	Memory 1	Memory 2	HDD 1(GB)
AS4552G-N954G75Mncc	Thailand	LX.R7B02.002	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mncc	Thailand	LX.R7B02.003	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mnkk	Thailand	LX.R6302.003	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mnrr	GCTWN	S2.R7C02.001	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mnrr	Thailand	LX.R7C02.001	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mnrr	Thailand	LX.R7C02.002	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-N954G75Mnrr	Thailand	LX.R7C02.003	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-P341G32Mnkk	Thailand	LX.R630C.018	SO1GBIII10	N	N320GB5.4KS
AS4552G-P341G32Mnkk	Thailand	LX.R630C.019	SO1GBIII10	N	N320GB5.4KS
AS4552G-P341G32Mnkk	Thailand	LX.R630C.020	SO1GBIII10	N	N320GB5.4KS
AS4552G-P341G50Mnkk	Thailand	LX.R630C.015	SO1GBIII10	N	N500GB5.4KS
AS4552G-P341G50Mnkk	Thailand	LX.R630C.016	SO1GBIII10	N	N500GB5.4KS
AS4552G-P341G50Mnkk	Thailand	LX.R630C.017	SO1GBIII10	N	N500GB5.4KS
AS4552G-P342G32Mncc	China	LX.R7B0C.007	SO2GBIII10	N	N320GB5.4KS
AS4552G-P342G32Mnkk	China	LX.R630C.001	SO2GBIII10	N	N320GB5.4KS
AS4552G-P342G32Mnrr	China	LX.R7C0C.004	SO2GBIII10	N	N320GB5.4KS
AS4552G-P344G50Mnkk	WW	S2.R630C.001	SO2GBIII10	SO2GBIII10	N500GB5.4KS
AS4552G-P344G75Mnkk	GCTWN	S2.R6302.002	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-P344G75Mnkk	WW	S2.R6302.001	SO2GBIII10	SO2GBIII10	N750GB5.4KS
AS4552G-P542G64Mnkk	Thailand	LX.R6302.001	SO2GBIII10	N	N640GB5.4KS
AS4552G-P542G64Mnkk	Thailand	LX.R630C.008	SO2GBIII10	N	N640GB5.4KS
AS4552G-P542G64Mnkk	Thailand	LX.R630C.009	SO2GBIII10	N	N640GB5.4KS
AS4552G-P542G64Mnkk	Thailand	LX.R630C.010	SO2GBIII10	N	N640GB5.4KS
AS4552G-P842G64Mnkk	Thailand	LX.R6302.002	SO2GBIII10	N	N640GB5.4KS

Downloaded from www.Manualslib.com manuals search engine

Test Compatible Components

This computer's compatibility is tested and verified by Acer's internal testing department. All of its system functions are tested under Windows® 7 with backwards compatibility to Windows® XP.

Refer to the following lists for components, adapter cards, and peripherals which have passed these tests. Regarding configuration, combination and test procedures, please refer to the 4252/4552/4552G Compatibility Test Report released by the Acer Mobile System Testing Department.

Vendor	Type	Description	P/N
Adapter			
Chicony Power	65W	Adapter Chicony Power 65W 19V 1.7x5.5x11 Yellow CPA09-A065N1, LV5, low profile LED LF	AP.0650A.017
DELTA	90W	Adapter DELTA 90W 19V 1.7x5.5x11 Blue ADP-90CD DBH, LV5 LED LF	AP.09001.031
HIPRO	65W	Adapter HIPRO 65W 19V 1.7x5.5x11 Yellow HP-A0652R3B 1LF, LV5 LED LF	AP.0650A.012
Audio Codec			
Realtek	ALC272X	Realtek Audio Codec ALC272X	LZ.21000.045
Battery			
SANYO	6CELL2.2	Battery SANYO AS10D Li-Ion 3S2P SANYO 6 cell 4400mAh Main COMMON ID:AS10D31	BT.00603.111
SONY	6CELL2.2	Battery SONY AS10D Li-Ion 3S2P SONY 6 cell 4400mAh Main COMMON ID:AS10D41	BT.00604.049
Bluetooth			
Foxconn	BT 2.1	Foxconn Bluetooth BRM 2070 (T77H114.01)	BH.21100.007
Foxconn	BT 3.0	Foxconn Bluetooth BRM 2046 BT3.0 (T60H928.33) f/w:861	BH.21100.008
Foxconn	BT 3.0	Foxconn Bluetooth BRM 2070 (T77H114.01) BT 3.0	BH.21100.010
Camera			
Chicony	1.3M	Chicony 1.3M CH9665SN (CNF9157)	AM.21400.067
Suyin	1.3M	Suyin 1.3M SY9665SN	AM.21400.068
Card Reader			
	2-in-1 card reader	2-in-1 card reader	CR.21500.030
CPU			
AMD	AAP320	CPU AMD AthlonII P320 2.1G 1M 25W Dual-Core	KC.AP002.320
AMD	APN830	CPU AMD PhenomII N830 2.1G 35W 1.5M L2, Triple-Core	KC.PN002.830
AMD	APN930	CPU AMD PhenomII N930 2.0G 2M 35W Quad-Core	KC.PN002.930
AMDISS	AAN350	CPU AMD AthlonII N350 PGA 2.4G 1M 35W	KC.AN002.350
AMDISS	AAP340	CPU AMD AthlonII P340 PGA 2.2G 1M 25W	KC.AP002.340
AMDISS	AMDV140	CPU AMD - V140 PGA 2.3G 512K 25W	KC.V0002.140
AMDISS	APN850	CPU AMD PhenomII N850 PGA 2.2G 1.5M 35W	KC.PN002.850

Downloaded from www.Manualslib.com manuals search engine

Vendor	Type	Description	P/N
AMDISS	APN950	CPU AMD PhenomII N950 PGA 2.1G 2M 35W	KC.PN002.950
AMDISS	APP840	CPU AMD PhenomII P840 PGA 1.9G 1.5M 25W	KC.PP002.840
AMDISS	APP940	CPU AMD PhenomII P940 PGA 1.7G 2M 25W	KC.PP002.940
AMDISS	ATP540	CPU AMD TurionII P540 PGA 2.4G 2M 25W	KC.TP002.540
HDD			
HGST	N320GB5.4KS	HDD HGST 2.5" 5400rpm 320GB HTS545032B9A300 Panther B SATA LF F/W:C60F Disk imbalance criteria = 0.014g-cm	KH.32007.008
SEAGATE	N250GB5.4KS	HDD SEAGATE 2.5" 5400rpm 250GB ST9250315AS, 9HH132-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.25001.019
SEAGATE	N320GB5.4KS	HDD SEAGATE 2.5" 5400rpm 320GB ST9320310AS,9RN132-188, Cameron 320G/P SATA 8MB LF F/W:0001SDM1	KH.32001.019
SEAGATE	N500GB5.4KS	HDD SEAGATE 2.5" 5400rpm 500GB ST9500325AS,9HH134-189, Wyatt with new pcb SATA 8MB LF F/W:0001SDM1	KH.50001.017
TOSHIBA	N250GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 250GB MK2565GSX, Capricorn BS, 320G/P SATA 8MB LF F/W:GJ002J	KH.25004.005
TOSHIBA	N500GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 500GB MK5065GSX,Capricorn BS, 320G/P SATA 8MB LF F/W:GJ002J	KH.50004.002
TOSHIBA	N640GB5.4KS	HDD TOSHIBA 2.5" 5400rpm 640GB MK6465GSX,Capricorn BS,320G/P SATA 8MB LF F/W:GJ002J	KH.64004.001
WD	N160GB5.4KS	HDD WD 2.5" 5400rpm 160GB WD1600BEVT-22A23T0 , WD, ML320S SATA 8MB LF F/W:01.01A01	KH.16008.027
WD	N250GB5.4KS	HDD WD 2.5" 5400rpm 250GB WD2500BEVT-22A23T0, WD, ML320S SATA 8MB LF F/W:01.01A01.	KH.25008.025
WD	N320GB5.4KS_4K	HDD WD 2.5" 5400rpm 320GB WD3200BPVT-22ZEST0, ML320S, 4K drive SATA 8MB LF F/W: 01.01A01	KH.32008.022
WD	N500GB5.4KS	HDD WD 2.5" 5400rpm 500GB WD5000BEVT-22A0RT0, ML320M,WD SATA 8MB LF F/W:01.01A01	KH.50008.017
WD	N640GB5.4KS	HDD WD 2.5" 5400rpm 640GB WD6400BPVT-22HXZT1, ML375M SATA 8MB LF F/W: 01.01A01	KH.64008.005
WD	N750GB5.4KS	HDD WD 2.5" 5400rpm 750GB WD7500BPVT-22HXZT1, ML375M, 4K drive SATA 8MB LF F/W:01.01A01	KH.75008.009
Keyboard			
ACER	AC4T_A10B	Keyboard ACER AC4T_A10B AC4T Internal 14 Standard Black Y2010 Acer Legend Texture	KB.I140A.202
LAN			
Broadcom	BCM57780	Broadcom BCM57780	NI.22400.047

Downloaded from www.Manualslib.com manuals search engine

Vendor	Type	Description	P/N
LCD			
AUO	NLED14WXGAG	LED LCD AUO 14" WXGA Glare B140XW01 V8 0A LF 220nit 8ms 500:1 (power saving)	LK.14005.010
CMI	NLED14WXGAG	LED LCD CMI 14" WXGA Glare BT140GW01 V6 LF 220nit 8ms 600:1	LK.1400D.008
MEM			
NONE	SO1GBIII10	Memory NONE REG-ECC DDRIII 1066 1GB phantom p/n LF	KN.1GB00.003
NONE	SO2GBIII10	Memory NONE SO-DIMM DDRIII 1066 2GB dummy 1066 LF	KN.2GB00.001
NB Chipset			
AMD	AMDRS880M	AMD RS880M w/ HDCP EEPROM	KI.22600.050
ODD			
PLDS	NSM8XS	ODD PLDS Super-Multi DRIVE 12.7mm Tray DL 8X DS-8A5SH LF+HF W/O bezel SATA With TI + Rohm Solution (HF + Windows 7)	KU.0080F.014
SONY	NSM8XS	ODD SONY Super-Multi DRIVE 12.7mm Tray DL 8X AD-7585H LF W/O bezel SATA (HF + Windows 7)	KU.0080E.027
TOSHIBA	NSM8XS	ODD TOSHIBA Super-Multi DRIVE 12.7mm Tray DL 8X TS-L633F LF W/O bezel SATA (HF + Windows 7)	KU.00801.040
SB Chipset			
AMD	AMDSB820M	AMD SB820M A12	KI.22800.016
Software			
	McAfee	Antivirus application McAfee	SR.23900.001
VGA Chip			
AMD	PARK_XT	VGA Chip AMD PARK_XT 100-CK3627 40nm 29mm*29mm M2 package	KI.23200.162
None	UMA	UMA (AMD)	KI.23200.154
VRAM			
	512M-DDR3 (64*16*4)	512M-DDR3 64*16*4	KI.23300.019
WiFi Antenna			
WNC	PIFA	PIFA	LZ.23500.006
Wireless LAN			
Foxconn	3rd WiFi 2x2 BGN	Foxconn Wireless LAN Broadcomm 43225 2x2 BGN (HM) T77H103.00	NI.23600.066

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

Online Support Information

This section describes online technical support services available to help you repair your Acer Systems.

If you are a distributor, dealer, ASP or TPM, please refer your technical queries to your local Acer branch office. Acer Branch Offices and Regional Business Units may access our website. However some information sources will require a user i.d. and password. These can be obtained directly from Acer CSD Taiwan.

Acer's Website offers you convenient and valuable support resources whenever you need them.

In the Technical Information section you can download information on all of Acer's Notebook, Desktop and Server models including:

- Service guides for all models
- Bios updates
- Software utilities
- Spare parts lists
- TABs (Technical Announcement Bulletin)

For these purposes, we have included an Acrobat File to facilitate the problem-free downloading of our technical material.

Also contained on this website are:

- Returned material authorization procedures
- An overview of all the support services we offer, accompanied by a list of telephone, fax and email contacts for all your technical queries.

We are always looking for ways to optimize and improve our services, so if you have any suggestions or comments, please do not hesitate to communicate these to us.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

Index

B

Battery Pack 40, 122
BIOS
  ROM type 17
  vendor 17
BIOS Utility 21–29
  Advanced 24
  Boot 27
  Exit 28
  Navigating 21
  Power 27
  Save and Exit 28
  Security 24
  System Security 28
Board Layout
  Top View 137

C

Camera Module 80, 89
Common Problems 124

D

DIMM Module 45, 118
Display 4

E

EasyTouch Failure 133
External Module Disassembly
  Flowchart 39, 113

F

Features 1
FLASH Utility 29
Flash Utility 29
FRU (Field Replaceable Unit) List 141

H

Hard Disk Drive Module 43, 118
HDTV Switch Failure 133
Hot Keys 10

I

Intermittent Problems 134
Internal Microphone Failure 128
Internal Speaker Failure 127

J

Jumper and Connector Locations 137

K

Keyboard Failure 127

L

LCD Bezel 78, 89
LCD Failure 127
LCD Module Disassembly
  Flowchart 77, 85
LCD Panel 81, 87
lower cover 42, 121

M

Main Unit Disassembly
  Flowchart 52, 92
Mainboard 68, 97
media access
  on indicator 6
Memory Check 124
Model Definition 154

N

No Display Issue 125

O

ODD Failure 130
Online Support Information 161
optical drive module 48, 114

P

Panel 5
  Bottom 7
  left 5
Power On Failure 124

Downloaded from www.Manualslib.com manuals search engine

R

RTC Battery 70, 97

S

SD Card 41, 122
System
    Block Diagram 4

T

Test Compatible Components 155
Thermal Module 72, 95
Thermal Unit Failure 133
Touchpad Failure 127
Troubleshooting
    Built-in KB Failure 127
    EasyTouch Buttons 133
    HDTV Switch 133
    Internal Microphone 128
    Internal Speakers 127
    LCD Failure 127
    No Display 125
    ODD 130
    Other Failures 133
    Power On 124
    Thermal Unit 133
    Touchpad 127
    WLAN 133

U

Undetermined Problems 134
utility
    BIOS 21–29

W

Wireless Function Failure 133
WLAN Board 46

Downloaded from www.Manualslib.com manuals search engine